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## Product Datasheet

### Legumain, His-Tag, Human TRZ-P2020-158\_100

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Legumain, His-Tag, Human                                                                                                                                                                                                                                      |
| Biozol Catalog Number      | TRZ-P2020-158_100                                                                                                                                                                                                                                             |
| Supplier Catalog Number    | P2020-158_100                                                                                                                                                                                                                                                 |
| Alternative Catalog Number | TRZ-P2020-158_100                                                                                                                                                                                                                                             |
| Manufacturer               | trenzyme                                                                                                                                                                                                                                                      |
| Host                       | Human                                                                                                                                                                                                                                                         |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                |
| Species Reactivity         | Human                                                                                                                                                                                                                                                         |
| Product Description        | Legumain functions as lysosomal cysteine protease, specifically hydrolyzing peptide bonds after asparagine residues. Thereby, legumain plays a crucial role in the degradation of intracellular proteins. Structurally, it contains a highly conserved His... |
| Molecular Weight           | 50,2 kDa                                                                                                                                                                                                                                                      |
| UniProt                    | <a href="#">Q99538</a>                                                                                                                                                                                                                                        |
| Buffer                     | 20 mM Tris, 20 mM NaCl, 5 mM DTT                                                                                                                                                                                                                              |
| Purity                     | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                              |
| Form                       | liquid                                                                                                                                                                                                                                                        |

|          |                                                                                                                                                                                                                                                                                       |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence | VPIDDPEDGGKHWVVIVAGSNGWYNRHQADACHAYQIIHRNGIPDEQIVVM<br>MYDDIAYS<br>EDNPTPGIVINRPNGTDVYQGVPKDYTGEDVTPQNFLAVLRGDAEAVKGIGS<br>GKVLKSGP<br>QDHVFIYFTDHGSTGILVFPNEDLHVKDLNETIHYMYKHKMYRKMFYIEACES<br>GSMMNH<br>LPDNINVYATTAANPRESSYACYYDEKRSTYLGDWYSVNWMEDSDVEDLTKE<br>TLHKQYHL VKSHTNTSHV |
| Formula  | pH 7,5                                                                                                                                                                                                                                                                                |