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## Product Datasheet

### Human alpha Taxilin protein, His tag, Unconjugated GTX00218-PRO

|                            |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Human alpha Taxilin protein, His tag, Unconjugated                                                                                                                          |
| Biozol Catalog Number      | GTX00218-PRO                                                                                                                                                                |
| Supplier Catalog Number    | GTX00218-pro                                                                                                                                                                |
| Alternative Catalog Number | GTX00218-PRO-10                                                                                                                                                             |
| Manufacturer               | GeneTex                                                                                                                                                                     |
| Category                   | Proteine/Peptide                                                                                                                                                            |
| Application                | FA                                                                                                                                                                          |
| Species Reactivity         | Human                                                                                                                                                                       |
| Conjugation                | Unconjugated                                                                                                                                                                |
| NCBI                       | <a href="#">200081</a>                                                                                                                                                      |
| UniProt                    | <a href="#">P40222</a>                                                                                                                                                      |
| Buffer                     | Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300. |
| Expression System          | E. coli                                                                                                                                                                     |
| Form                       | Lyophilized powder                                                                                                                                                          |
| Sequence                   | N-terminal His-Tag, Lys328~Glu531 (NP_787048.1)                                                                                                                             |

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| Application Notes | <p>Taxilin Alpha (TXLNa) also known as interleukin-14 (IL-14) is a cytokine that controls the growth and proliferation of both normal and cancerous B cells. TXLNa induces B-cell proliferation, inhibits antibody secretion, and expands selected B-cell subgroups. This interleukin is produced mainly by T cells and certain malignant B cells. Besides, Protein Disulfide Isomerase A3 (PDIA3) has been identified as an interactor of TXLNa, thus a binding ELISA assay was conducted to detect the interaction of recombinant human TXLNa and recombinant human PDIA3. Briefly, TXLNa were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to PDIA3-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-TXLNa pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of TXLNa and PDIA3 was in a dose dependent manner.</p> |
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