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Product Datasheet

Biotinylated Human Frizzled-8 (C-6His-Avi) EBT-EPT227

Article Name	Biotinylated Human Frizzled-8 (C-6His-Avi)
Biozol Catalog Number	EBT-EPT227
Supplier Catalog Number	EPT227
Alternative Catalog Number	EBT-EPT227-100
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Biotinylated Recombinant Human Frizzled-8 is produced by our Mammalian expression system and the target gene encoding Ala28-Pro172 is expressed with a 6His, Avi tag at the C-terminus....
Molecular Weight	Molecular weight: 19.1 KDa. Apparent molecular weight: 25-35 KDa, reducing conditions
UniProt	Q9H461
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: Frizzled-8 is one of at least ten seven-transmembrane (7TM) glycoproteins of the Frizzled family of Wnt receptors. Frizzled proteins are thought to be G-protein-coupled. Wnt engagement, with low density lipoprotein receptor-related proteins LRP-5 or LRP-6 acting as co-receptors, stabilizes beta-catenin and promotes gene transcription that is important in development and tissue maintenance. Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalosomes. The beta-catenin canonical signaling pathway leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes. These ligands bind the extracellular CRD of Frizzled-8, blocking Wnt binding. The recombinant Frizzled-8 CRD has also been used to block Wnt signaling and inhibit growth of teratocarcinomas.