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Product Datasheet

Recombinant Human TPBG (C-6His) EBT-EPT261

Article Name	Recombinant Human TPBG (C-6His)
Biozol Catalog Number	EBT-EPT261
Supplier Catalog Number	EPT261
Alternative Catalog Number	EBT-EPT261-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Trophoblast Glycoprotein is produced by our Mammalian expression system and the target gene encoding Ser32-Ser355 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 36.1 KDa. Apparent molecular weight: 55-80 KDa, reducing conditions
UniProt	Q13641
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 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. Background: Trophoblast glycoprotein, also known as TPBG and 5T4, it belongs to the LRR family of proteins. The C-terminus of LRR N-terminal cap (LRRNT) and LRR 1 are essential for the inhibition of the Wnt signaling pathway. TPBG may function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and blocking Wnt3a-dependent LRP6 internalization. It expressed by all types of trophoblasts as early as 9 weeks of development. In adult tissues, the expression is limited to a few epithelial cell types but is found on a variety of carcinoma