

Recombinant Rat TPBG Protein (32-361 aa), His-SUMO-tagged

Cat. No. TPBG-1765R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat TPBG Protein (32-361 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Rat
Source	E.coli
ProteinLength	32-361 aa
Description	May function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and blocking Wnt3a-dependent LRP6 internalization.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	51.8 kDa
AA Sequence	SAPSSSLPSSSTSPAAFLASGSAQPPPAERCPAACECEAARTVKCVNRNLLEVPA DLPPYVRNLFLTGNQMTVLPAGAFARQPPLADLAVLNLSGNHLKEVGAGAFEHLPG LRRDLSHNPLTNLSAFTFAGSNVSVSTPSPLELILNHIVPPEDQRQNGSFEGMVAF EGMVAAALRSGALRGLHLELASNHFLYLPRLDQLPSLKHLDLRNNSLVSLTYA SFRNLTHLESLHLEDNALKVLHNSTLAEWQGLAHVRVFLDNNPWVCD CYMADMVS WLKETEVVPDKARLTCAFPEKMRNRGLDLTSSDLDCDATLPQSLQTS
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	Tpbg trophoblast glycoprotein [<i>Rattus norvegicus</i>]
Official Symbol	TPBG
Synonyms	TPBG; trophoblast glycoprotein; 5T4; MGC93332;
Gene ID	83684
mRNA Refseq	NM_031807
Protein Refseq	NP_113995
UniProt ID	Q5PQV5

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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