

Recombinant Mouse Tulp3 Protein, Myc/DDK-tagged

Cat. No. Tulp3-6737M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tubby-like protein 3 (Tulp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Negative regulator of the Shh signaling transduction pathway: recruited to primary cilia via association with the IFT complex A (IFT-A) and is required for recruitment of G protein-coupled receptor GPR161 to cilia, a promoter of PKA-dependent basal repression machinery in Shh signaling. Binds to phosphorylated inositide (phosphoinositide) lipids. Both IFT-A- and phosphoinositide-binding properties are required to regulate ciliary G protein-coupled receptor trafficking. Not involved in ciliogenesis. During adipogenesis, regulates ciliary trafficking of FFAR4 in preadipocytes.
Molecular Mass	51.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Tulp3 tubby-like protein 3 [Mus musculus (house mouse)]
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Official Symbol	Tulp3
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Synonyms	TULP3; tub; tubby-related protein 3; AI316887; 2310022L06Rik
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Gene ID	22158
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mRNA Refseq	NM_011657
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Protein Refseq	NP_035787
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UniProt ID	O88413
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