

Recombinant Mouse TECTB Protein (18-305 aa), His-tagged

Cat. No. TECTB-2734M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TECTB Protein (18-305 aa) is produced by in vitro E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	E.coli
ProteinLength	18-305 aa
Description	One of the major non-collagenous components of the tectorial membrane (By similarity). The tectorial membrane is an extracellular matrix of the inner ear that covers the neuroepithelium of the cochlea and contacts the stereocilia bundles of specialized sensory hair cells. Sound induces movement of these hair cells relative to the tectorial membrane, deflects the stereocilia and leads to fluctuations in hair-cell membrane potential, transducing sound into electrical signals.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	36.5 kDa
AA Sequence	KSCTPNKADVILVFCYPKTIITKIPECYPGWVHQLALGGLCYNGVHEGGYYQFVIPD LSPKNKSYCGTQSEYKPPIYHFYSHIVSNDSTVIVKNQPVNYSFSCTYHSTYLVNQAA FDQRVATVHVKNKSGMGTFSQSLNIFYTNAKFSTKKEAPFVLETSEIGSDFAGVEA KGLSVRFKVVNLNSCWATPSADFMYPQLQWQLINKGCPTDETVLVHENGKDHRATFQF

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	NAFRFQNIPLSKVWLHCETFICDSEKLSCPVNCDKRRMLRDQTGGVLVVELSLRS RA
Purity	> 90% as determined by SDS-PAGE.
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 will be sent along with the products. Please refer to it for detailed information.

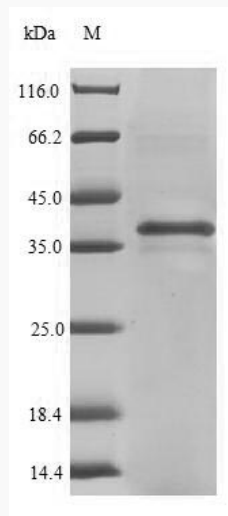
GENE INFORMATION

Gene Name	Tectb tectorin beta [Mus musculus]
Official Symbol	TECTB
Synonyms	TECTB; tectorin beta; beta-tectorin; [b]-tectorin; Tctnb;
Gene ID	21684
mRNA Refseq	NM_009348
Protein Refseq	NP_033374
UniProt ID	O08524

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

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