Recombinant Mouse Tctn1 Protein, Myc/DDK-tagged

Cat. No. Tctn1-6346M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tectonic family member 1 (Tctn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Regulator of Hedgehog (Hh), required for both activation and inhibition of the Hh pathway in the patterning of the neural tube. During neural tube development, it is required for formation of the most ventral cell types and for full Hh pathway activation. Functions in Hh signal transduction to fully activate the pathway in the presence of high Hh levels and to repress the pathway in the absence of Hh signals. Modulates Hh signal transduction downstream of SMO and RAB23.
Molecular Mass	63.9 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Tctn1 tectonic family member 1 [Mus musculus (house mouse)]
Official Symbol	Tctn1
Synonyms	Tctn1; tectonic family member 1; Tect1; 4930565B19R; 4930565B19Rik; G730031O11Rik; tectonic-1
Gene ID	654470
mRNA Refseq	NM_001039153
Protein Refseq	NP_001034242
UniProt ID	Q8BZ64

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