

Recombinant Mouse Cltrn Protein, Myc/DDK-tagged

Cat. No. Cltrn-2201M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length collectrin, amino acid transport regulator (Cltrn), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays an important role in amino acid transport by acting as binding partner of amino acid transporters SLC6A18 and SLC6A19, regulating their trafficking on the cell surface and their activity. May also play a role in trafficking of amino acid transporters SLC3A1 and SLC7A9 to the renal cortical cell membrane. Regulator of SNARE complex function. Stimulator of beta cell replication.
Molecular Mass	25.5 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.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Cltrn collectrin, amino acid transport regulator [Mus musculus (house mouse)]
Official Symbol	Cltrn
Synonyms	Cltrn; collectrin, amino acid transport regulator; NX1; NX17; NX=1; coll; NX-17; Tmem27; 0610008J07Rik; collectrin; kidney-specific membrane protein; transmembrane protein 27
Gene ID	57394
mRNA Refseq	NM_020626
Protein Refseq	NP_065651
UniProt ID	Q9ESG4

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