

Recombinant Human CLTRN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CLTRN-5431H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TMEM27 MS Standard C13 and N15-labeled recombinant protein (NP_065716) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a type 1 transmembrane protein that is important for trafficking amino acid transporters to the apical brush border of proximal tubules. The encoded protein binds to amino acid transporters and regulates their expression on the plasma membrane. It also plays a role in controlling insulin exocytosis by regulating formation of the SNARE (soluble N-ethylmaleimide-sensitive-factor attachment protein receptor) complex in pancreatic beta cells. The extracellular domain of the encoded protein may be cleaved and shed from the plasma membrane specifically in pancreatic beta cells.
Molecular Mass	25.2 kDa
AA Sequence	MLWLLFFLVTAIHAELCQPGAENAFKVRLSIRTALGDKAYAWDTNEEYLFKAMVAFS MRKVPNREATEISHVLLCNVTQRVSWFVVTDP SKNHTLPAVEVQSAIRMNKNRINN AFFLNDQTLEFLKIPSTLAPPMDPSVPIWIIIFGVIFCIIIVAIALLILSGIWQRRRKNKEPS EVDDAEDKCENMITIENGIPSDPLDMKGGHINDAFMTEDERLTPLTRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

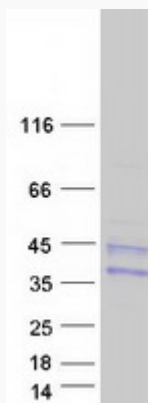
GENE INFORMATION

Gene Name	CLTRN collectrin, amino acid transport regulator [Homo sapiens (human)]
Official Symbol	CLTRN
Synonyms	CLTRN; collectrin, amino acid transport regulator; NX17; NX-17; TMEM27; collectrin; kidney-specific membrane protein; transmembrane protein 27
Gene ID	57393
mRNA Refseq	NM_020665
Protein Refseq	NP_065716
MIM	300631
UniProt ID	Q9HBJ8

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SDS-PAGE

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