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Product datasheet for PH304775

CLTRN (NM_020665) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TMEM27 MS Standard C13 and N15-labeled recombinant protein (NP_065716)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204775
Predicted MW:	25.2 kDa
Protein Sequence:	>RC204775 protein sequence Red=Cloning site Green=Tags(s) MLWLLFFLVTAIHAELCQPGAENAFKVRLSIRTALGDKAYAWDTNEEYLFKAMVAFSMRKVPNREATEIS HVLLCNVTQRVSFWFVVTDPSKNHTLPAVEVQSAIRMNKNRINNAFFLNDQTLEFLKIPSTLAPPMDPSV PIWIIIFGVIFCIIIVAIALLILSGIWQRRRKNKEPSEVDDAEDKCENMITIENGIPSDPLDMKGGHIND AFMTEDERLTPL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065716
RefSeq Size:	1580
RefSeq ORF:	666
Synonyms:	NX-17; NX17; TMEM27
Locus ID:	57393
UniProt ID:	Q9HBJ8

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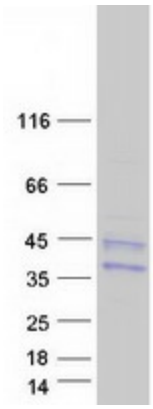
Cytogenetics: Xp22.2

Summary: 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. [provided by RefSeq, Jun 2013]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified CLTRN protein (Cat# [TP304775]). The protein was produced from HEK293T cells transfected with CLTRN cDNA clone (Cat# [RC204775]) using MegaTran 2.0 (Cat# [TT210002]).