

Recombinant Human TMEM27 protein, His-tagged

Cat. No. TMEM27-1782H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMEM27 aa. (Cys17~Asp137 (Accession # Q9HBJ8)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys17~Asp137
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	7.9

GENE INFORMATION

Gene Name	TMEM27 transmembrane protein 27 [Homo sapiens (human)]
Official Symbol	TMEM27
Synonyms	TMEM27; transmembrane protein 27; NX17; NX-17; collectrin; kidney-specific membrane protein
Gene ID	57393
mRNA Refseq	NM_020665.5
Protein Refseq	NP_065716.1

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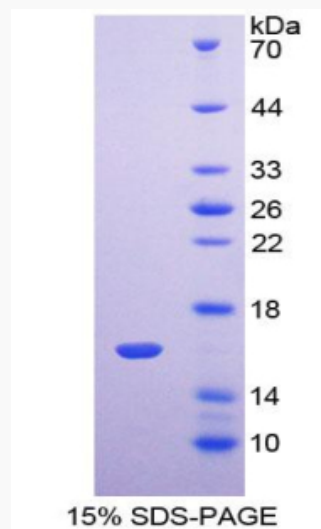
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UniProt ID

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SDS-PAGE

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