9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TMEM27 Human

Transmembrane Protein 27 Human Recombinant
RCP2391

Product Overview

Name	TMEM27 Human
Description	
Transmembrane Protein 27 Human Recombinant	
Accession (Primary)	Q9HBJ8
Synonyms	
Collectrin, Transmembrane protein 27, TMEM27, NX17, NX-17.	
Introduction	
Transmembrane Protein 27 (TMEM27) is a type 1 transmembrane protein which is imperative for trafficking amino acid transporters to the apical brush border of proximal tubules. TMEM27 binds to amino acid transporters and regulates their expression on the plasma membrane. The extracellular domain of TMEM27 is cleaved off the surface of beta cells.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
TMEM27 filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M Acetate buffer pH-4.0.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS ELCQPGAENA FKVRLSIRTA LGDKAYAWDT NEEYLFKAMV AFSMRKVPNR EATEISHVLL CNVTQRVSFW FVVTDPSKNH TLPAVEVQSA IRMNKNRINN AFFLNDQTLE FLKIPSTLAP PMDPSVP.	
Solubility	
It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

let the lyophilized pellet dissolve completely at 37°C. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher concentrations the solubility of this antigen is limited. TMEM27 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

TMEM27 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9HBJ8)