

Active Recombinant Human TMEM106B Protein, Fc tagged

Cat. No. TMEM106B-12H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMEM106B Protein (Pro118-Gln274) with Human IgG1 (Pro100-Lys330) Fc tag at N-terminus was expressed in Human embryonic kidney cell. N-terminal Sequence Analysis: Met
Species	Human
Source	HEK293
ProteinLength	118-274 aa
Description	Enables ATPase binding activity. Involved in dendrite morphogenesis and lysosome localization. Located in endosome and lysosomal membrane. Implicated in hypomyelinating leukodystrophy 16.
Form	Disulfide linked homodimer. Supplied as a 0.2 µm filtered solution in PBS with Trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Recombinant Human TMEM106B Fc Chimera binds Recombinant SARS-CoV-2 Spike RBD His-tag (HEK293 Expressed) with ED50 < 2.00 µg/mL.
Molecular Mass	45 kDa
Endotoxin	< 0.10 EU/µg of the protein by the LAL method.

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Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Applications	Bioactivity
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after opening. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Shipping	The product is shipped with dry ice or equivalent.

GENE INFORMATION

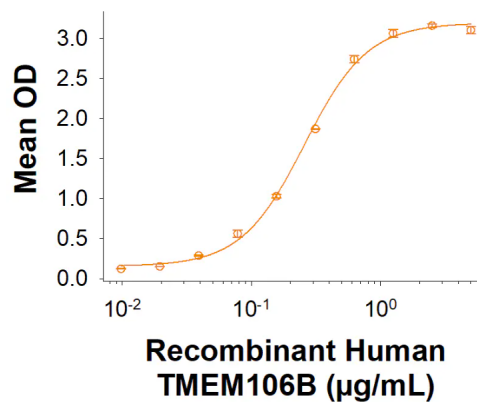
Gene Name	TMEM106B transmembrane protein 106B [Homo sapiens (human)]
Official Symbol	TMEM106B
Synonyms	TMEM106B; transmembrane protein 106B; HLD16; transmembrane protein 106B
Gene ID	54664
mRNA Refseq	NM_001134232
Protein Refseq	NP_001127704
MIM	613413
UniProt ID	Q9NUM4

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