

Active Recombinant Human TMEM119 Protein, Fc tagged

Cat. No. TMEM119-12H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMEM119 Protein (Arg26-Met96) with Human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	26-96 aa
Description	Involved in positive regulation of bone mineralization; positive regulation of osteoblast differentiation; and positive regulation of osteoblast proliferation. Located in plasma membrane.
Source	CHO
Species	Human
Tag	Fc
Form	Disulfide-linked homodimer
Molecular Weight	34 kDa
Bio-Activity	Measured by its ability to inhibit neurite outgrowth of E16-E18 rat embryonic cortical neurons. Recombinant Human TMEM119 Fc Chimera, immobilized at 2.5 µg/mL on a

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	96 well plate, is able to significantly inhibit neurite outgrowth.
N-terminal Sequence Analysis	Arg26
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 1 mg/mL in PBS.
Shipping	The product is shipped at ambient temperature.
Reference	1. Jiang, Z,H. et al. (2017) Expt & Mol Med. 49:e329. 2. Mizuhashi, K. et al. (2012) Dev. Growth Differ. 54:474. 3. Satoh, J. et al. (2016) Neuropathol. 36:39.

GENE INFORMATION

Gene Name	TMEM119 transmembrane protein 119 [Homo sapiens (human)]
Official Symbol	TMEM119

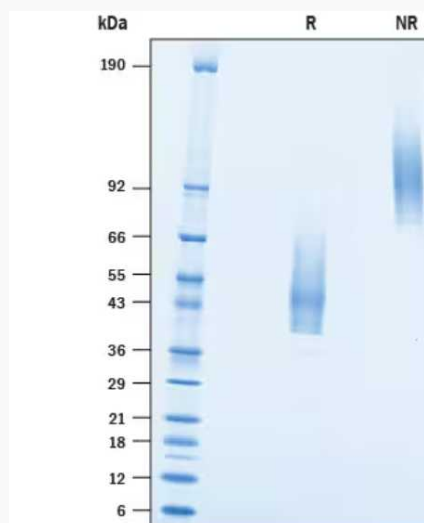
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Synonyms	TMEM119; transmembrane protein 119; OBIF; transmembrane protein 119; osteoblast induction factor
Gene ID	338773
mRNA Refseq	NM_181724
Protein Refseq	NP_859075
MIM	618989
UniProt ID	Q4V9L6

SDS-PAGE



2 µg/lane of Recombinant Human TMEM119 Fc Chimera was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie Blue staining, showing bands at 37-57 kDa and 70-110 kDa, respectively.