

Recombinant Full Length Human TMC7 Protein, N-GST-tagged

Cat. No. TMC7-41HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TMC7 full-length ORF (NP_079123.2, 1 a.a. - 723 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-723 aa
Description	Predicted to enable mechanosensitive ion channel activity. Predicted to be involved in ion transmembrane transport. Predicted to be integral component of plasma membrane.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	110 kDa
AA Sequence	MSESSGSALQPGRPSRQQAVHPENLSLDSSCFSSPPVNFLQELPSYRSIARRRTTV HSRDKQSGTLLKPTDSYSSQLEDRIAENLSSHSLRNYALNISEKRRLRDIQETQM KYL SEWDQWKRYSSKSWKRFLEKAREMTTHLELWREDIRSIEGKFGTGIQSYFSFLRFL VLLNLVIFLIIFMLVLLPVLLTKYKITNSSFVLIPFKDMDKQCTVYPVSSSGLIYFYSYIIDL LSGTGFLEETSLFYGHYTIDEVKFQNFTYDLPLAYLLSTIASLALSLLWIVKRSVEGFKI NLIRSEEHFQSYCNKIFAGWDFCITNRSMADLKHSSRLRYELRADLEEERMQRQKIAER TSEETIRIYSLRFLNCIVLAVLGACFYAIYVATVFSQEHMKKEIDKMVFGENLFILYLP SIVITLANFITPMIFAKIIRYEDYSPGFEIRLTILRCVFMRLATICVLVFTLGSKITSCDDDT

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CDLCGYNQKLYPCWETQVGQEMYKLMIFDFIILAVTLFVDFPRKLLVTYCSSLCKLIQC
 WGQQEFAIPDNVLGIVYGQTICWIGAFFSPLLPAIATLKFIIIFYVKEWSLLYTCRPSR
 PFRASNSNFFFLVLLIGLCLAIPLTISISRIPSSKACGPFTNFNTTWEVIPKTVSTFPS
 SLQSFHGVTSFAFVPPFFMIICLIMFYFIALAGAHKRVIQLREQLSLESRDKCYLIQK
 LTEAQDRMRN

Purity	Glutathione Sepharose 4 Fast Flow
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Quality Control Test	12.5% SDS-PAGE Stained with Coomassie Blue.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Preparation	in vitro wheat germ expression system

GENE INFORMATION

Gene Name	TMC7 transmembrane channel like 7 [Homo sapiens (human)]
Official Symbol	TMC7
Synonyms	DKFZp781O2274, FLJ21240
Gene ID	79905

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mRNA Refseq	NM_024847.4
Protein Refseq	NP_079123.3
MIM	617198
UniProt ID	Q7Z402
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