

Recombinant Full Length Human PIEZO1 Protein, GST-tagged

Cat. No. PIEZO1-4578HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human FAM38A full-length ORF (AAH08073, 1 a.a. - 373 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	373 amino acids
Description	The protein encoded by this gene is a mechanically-activated ion channel that links mechanical forces to biological signals. The encoded protein contains 36 transmembrane domains and functions as a homotetramer. Defects in this gene have been associated with dehydrated hereditary stomatocytosis. [provided by RefSeq, Jul 2015]
Molecular Mass	66.77 kDa
AA Sequence	MKICPFSSKSSIVLALKFRSLIHFEKYPQPKGQKKKKIVKYGMGGLIILFLIAIIWFPLLF MSLVRSVVGVVNQPIDVTVTCLKGGYEPLFTMSAQQPSIIPFTAQAYEELSRQFDPQ PLAMQFISQYSPEDIVTAQIEGSSGALWRISPPSRAQMCRELYNGTADITLRFTWNF QRDLAKGGTVEYANEKHMLALAPNSTARRQLASLLEGTSDQSVVIPNLFPKYIRAPN GPEANPVKQLQPNEEADYLGVRIQLRREQGAGATGFLEWWVIELQECRTDCNLLP MVIFSDKHHGAVRVHRAGHRQVRARILQRDLALHYVRGA AVRGPHQPALPGHLP AGDSGAGAGGGVVCQAHLPLPLTGDHDQVDS

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	PIEZO1 piezo type mechanosensitive ion channel component 1 [Homo sapiens (human)]
Official Symbol	PIEZO1
Synonyms	PIEZO1; piezo type mechanosensitive ion channel component 1; Piezo Type Mechanosensitive Ion Channel Component 1; Piezo-Type Mechanosensitive Ion Channel Component 1; Membrane Protein Induced By Beta-Amyloid Treatment; Family With Sequence Similarity 38, Member A; FAM38A; MIB; Protein FAM38A; KIAA0233; LMPH3; DHS; piezo-type mechanosensitive ion channel component 1; family with sequence similarity 38, member A; membrane protein induced by beta-amyloid treatment
Gene ID	9780
mRNA Refseq	NM_001142864
Protein Refseq	NP_001136336

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MIM	611184
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UniProt ID	Q92508
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