

Recombinant Human FAM38A, His-tagged

Cat. No. FAM38A-12699H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FAM38A protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	67-373a.a.
Description	Piezos are large transmembrane proteins conserved among various species, all having between 24 and 36 predicted transmembrane domains. Piezo comes from the Greek piesi, meaning pressure. The FAM38A gene encodes PIEZO1, a protein that induces mechanically activated (MA) currents in various cell types (Coste et al., 2010 [PubMed 20813920]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	PIEZO1 piezo-type mechanosensitive ion channel component 1 [Homo sapiens]
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Official Symbol	PIEZO1
Synonyms	PIEZO1; piezo-type mechanosensitive ion channel component 1; FAM38A, family with sequence similarity 38, member A; KIAA0233; protein PIEZO1; family with sequence similarity 38, member A; membrane protein induced by beta-amyloid treatment; Mib; FAM38A;
Gene ID	9780
mRNA Refseq	NM_001142864
Protein Refseq	NP_001136336
MIM	611184
UniProt ID	Q92508
Chromosome Location	16q24.3
Function	ion channel activity;

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