

# Recombinant Human PIEZO1 Protein, GST-tagged

**Cat. No.** PIEZO1-3750H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human FAM38A full-length ORF ( AAH08073, 1 a.a. - 373 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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]                                                                                       |
| <b>Molecular Mass</b>   | 66.77 kDa                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | <p>MKICPFSSKSSIVLALKFRSLIHFEKYPQPKGQKKKKIVKYGMGGLIILFLIAIWFPLL<br/> MSLVRSVVGVVNQPIDVTVTCLKGGYEPLFTMSAQQPSIIPFTAQAYEELSRQFDPQ<br/> PLAMQFISQYSPEDIVTAQIEGSSGALWRISPPSRAQMKRELYNGTADITLRFTWNF<br/> QRDLAKGGTVEYANEKHMLALAPNSTARRQLASLLEGTSDQSVVIPNLFPHYIRAPN<br/> GPEANPVKQLQPNEEADYLGVRIQLRREQGAGATGFLEWWVIELQECRTDCNLLP<br/> MVIFSDKHHGAVRVHRAGHRQVRARILQRDLALHYVRGA AVRGPHQPALPGHLP<br/> AGDSGAGAGGGVVCQAHPLPLTGDHDQVDS</p> |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                                     |

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|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>        | PIEZO1 piezo type mechanosensitive ion channel component 1 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Official Symbol</b>  | PIEZO1                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>         | 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 |
| <b>Gene ID</b>          | 9780                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_001142864                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>   | NP_001136336                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>              | 611184                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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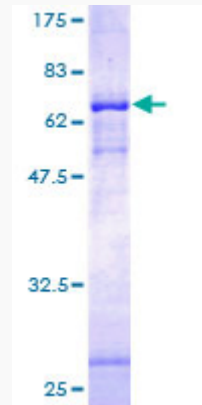
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UniProt ID

Q92508

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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