

## Recombinant Human GSDMD Protein, His-tagged

Cat. No. GSDMD-2218H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GSDMD Protein (Phe232-His484) with a N-His tag was expressed in E. coli.                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Phe232-His484                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Gasdermin D is a member of the gasdermin family. Members of this family appear to play a role in regulation of epithelial proliferation. Gasdermin D has been suggested to act as a tumor suppressor. Alternatively spliced transcript variants have been described. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 31.0 kDa<br>Accurate Molecular Mass: 31 kDa                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                           |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                          |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                            |

## GENE INFORMATION

|                        |                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GSDMD gasdermin D [ Homo sapiens (human) ]                                                                                                                                              |
| <b>Official Symbol</b> | GSDMD                                                                                                                                                                                   |
| <b>Synonyms</b>        | GSDMD; gasdermin D; gasdermin domain containing 1, GSDMDC1; gasdermin-D; DF5L; FLJ12150; gasdermin domain containing 1; gasdermin domain-containing protein 1; DFNA5L; FKSG10; GSDMDC1; |
| <b>Gene ID</b>         | 79792                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_001166237                                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_001159709                                                                                                                                                                            |
| <b>MIM</b>             | 617042                                                                                                                                                                                  |

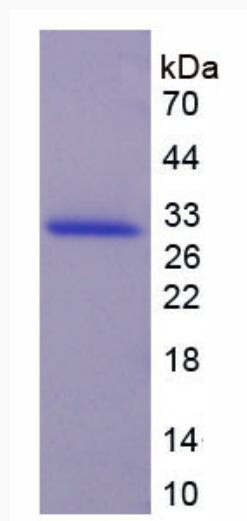
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