

## Recombinant Human NLRP10 protein, GST-tagged

**Cat. No.** NLRP10-3707H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human NLRP10 protein(1-180 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-180 aa                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH. |
| <b>AA Sequence</b>      | MAMAKARKPREALLWALSDLEENDFKKLKFYLRDMTLSEGQPPLARGELEGLIPVDL<br>AELLISKYGEKEAVKVVLKGLKVMNLELVDQLSHICLHDYREVYREHVRRCLEEWQE<br>AGVNGRYNQVLLVAKPSSESPESLACPFPEQELESVTVEALFDSGEKPSLAPSLVVL<br>QGSAGTGKT                                                                             |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                         |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b> | Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.<br>Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage. |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NLRP10 NLR family, pyrin domain containing 10 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Official Symbol</b> | NLRP10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>        | NLRP10; NLR family, pyrin domain containing 10; NACHT, leucine rich repeat and PYD containing 10 , NALP10; NACHT, LRR and PYD domains-containing protein 10; CLR11.1; NOD8; nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 10; PAN5; Pynod; NACHT, leucine rich repeat and PYD containing 10; nucleotide-binding oligomerization domain protein 8; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 10; PYNOD; NALP10; |
| <b>Gene ID</b>         | 338322                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_176821                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_789791                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>             | 609662                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | Q86W26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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