

# Recombinant Human DNAJB13 protein, His-tagged

**Cat. No.** DNAJB13-12061H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human DNAJB13 protein(204-316 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 204-316 aa                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | PNII PADII FIVKEKLHPRFRRENDNLFFVNPIPLGKALTCTVEVRTLDDRLLNIPINDII<br>HPKYFKKVPGE GMPLEDP TTKGDLFIFFDIQFPTRLTPQKKQMLRQALLT                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                        |
| <b>Reconstitution</b>   | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/                                                                                                                                                                                                                                                                                   |

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μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DNAJB13 DnaJ (Hsp40) homolog, subfamily B, member 13 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Official Symbol</b> | DNAJB13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | DNAJB13; DnaJ (Hsp40) homolog, subfamily B, member 13; DnaJ (Hsp40) related, subfamily B, member 13; dnaJ homolog subfamily B member 13; radial spoke 16 homolog A (Chlamydomonas); RSPH16A; TSARG6; 1700014P03Rik; DnaJ-like protein; radial spoke 16 homolog A; testis and spermatogenesis cell-related protein 6; testis spermatogenesis apoptosis-related protein 6; testis spermatocyte apoptosis-related gene 6 protein; testis spermatogenesis apoptosis-related gene 3 protein; testis spermatogenesis apoptosis-related gene 6 protein; TSARG5; FLJ46748; |
| <b>Gene ID</b>         | 374407                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_153614                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_705842                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>             | 610263                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>      | P59910                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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**SDS-PAGE**

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