

## Recombinant Human DNAJB6, His-tagged

**Cat. No.** DNAJB6-26155TH    **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length Human DNAJB6 with an N terminal His tag; 349 amino acids with the tag, predicted mwt: 38.5 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>      | 326 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>        | This gene encodes a member of the DNAJ protein family. DNAJ family members are characterized by a highly conserved amino acid stretch called the J-domain and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. This family member may also play a role in polyglutamine aggregation in specific neurons. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been fully described. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Weight</b>   | 38.500kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tissue specificity</b> | Widely expressed. Highest levels in testis and brain, and lower levels in heart, spleen, intestine, ovary, placenta, lung, kidney, pancreas, thymus, prostate, skeletal muscle, liver and leukocytes. In testis, expressed in germ cells in the earlier stages                                                                                                                                                                                                                                                                                                         |

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|                                 |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Form</b>                     | Liquid                                                                                                  |
| <b>Purity</b>                   | by SDS-PAGE                                                                                             |
| <b>Storage buffer</b>           | Preservative: None<br>Constituents: 30% Glycerol, 0.2M Sodium chloride, 5mM DTT, 20mM Tris HCl, pH 8.0  |
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| <b>Sequences of amino acids</b> | DNAJB6-26155TH is purified using conventional chromatography techniques.                                |
| <b>Sequence Similarities</b>    | Contains 1 J domain.                                                                                    |

## GENE INFORMATION

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DNAJB6 DnaJ (Hsp40) homolog, subfamily B, member 6 [ Homo sapiens ]                          |
| <b>Official Symbol</b> | DNAJB6                                                                                       |
| <b>Synonyms</b>        | DNAJB6; DnaJ (Hsp40) homolog, subfamily B, member 6; dnaJ homolog subfamily B member 6; MRJ; |
| <b>Gene ID</b>         | 10049                                                                                        |
| <b>mRNA Refseq</b>     | NM_005494                                                                                    |
| <b>Protein Refseq</b>  | NP_005485                                                                                    |
| <b>MIM</b>             | 611332                                                                                       |

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|----------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Uniprot ID</b>          | O75190                                                                                                  |
| <b>Chromosome Location</b> | 7q36.3                                                                                                  |
| <b>Function</b>            | ATPase activator activity; DNA binding; chaperone binding; heat shock protein binding; protein binding; |

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