

# Recombinant Human DNAJB12 Protein, GST-tagged

**Cat. No.** DNAJB12-2732H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DNAJB12 full-length ORF ( NP_001002762.1, 1 a.a. - 375 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | DNAJB12 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine (G/F)-rich region; and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain (Ohtsuka and Hata, 2000 [PubMed 11147971]).[supplied by OMIM, Mar 2008] |
| <b>Molecular Mass</b>   | 68.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MESNKDEAERCISIALKAIQSNQPDRALRFLEKAQRLYPTPRVRALIESLNQKPQTAG<br>DQPPPTDTTHATHRKAGGTDAPSANGEAGGESTKGYTAEQVAAVKRVKQCKDYEE<br>ILGVSRGASDEDLKKAYRRLALKFHPDKNHAPGATEAFKAIGTAYAVLSNPEKRKQY<br>DQFGDDKSQAARHGHGHGDFHRGFADISPEDLFNMFFGGGFPSSNVHVYSNGR<br>MRYTYQQRQDRRDNQGDGGLGVFVQLMPILILILVSALSQLMVSSPPYSLSPRPSV<br>GHIHRRVTDHLGVVYYVGDTFSEEYTGSSLKTVERNVEDDYIANLRNNCWKEKQQK<br>EGLLYRARYFGD TDMYHRAQKMGT PSCSRLSEVQASLHG                                                             |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
|                       | Western Blot (Recombinant protein)<br>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.   |

## GENE INFORMATION

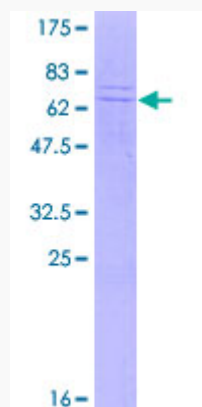
|                        |                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DNAJB12 DnaJ (Hsp40) homolog, subfamily B, member 12 [ Homo sapiens ]                                                        |
| <b>Official Symbol</b> | DNAJB12                                                                                                                      |
| <b>Synonyms</b>        | DJ10; DJB12_HUMAN; DKFZp586B2023; DnaJ (Hsp40) homolog, subfamily B, member 12; DnaJ homolog subfamily B member 12; Dnajb12; |
| <b>Gene ID</b>         | 54788                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_001002762                                                                                                                 |
| <b>Protein Refseq</b>  | NP_001002762                                                                                                                 |
| <b>MIM</b>             | 608376                                                                                                                       |
| <b>UniProt ID</b>      | J3KPS0                                                                                                                       |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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