

# Recombinant Full Length Human DNAJB7 Protein, GST-tagged

**Cat. No.** DNAJB7-3985HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DNAJB7 full-length ORF ( NP_660157.1, 1 a.a. - 309 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 309 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | The protein encoded by this intronless gene 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.[provided by RefSeq, Mar 2011] |
| <b>Molecular Mass</b>   | 61.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MVDYYEVLGLQRYASPEDIKKAYHKVALKWHPDKNPENKEEAERKFKEVAEAYEVL<br>SNDEKRDIYDKYGTGLNGGGSHFDDECEYGFTFHKPDDVFKEIFHERDPFSFHFF<br>EDSLEDLLNRPGSSYGNNRNDAGYFFSTASEYPIFEKFSSYDTGYTSQGSLGHEGL<br>TSFSSLAFDNSGMDNYISVTTSDKIVNGRNINTKKIIESDQEREAEDNGELTFFLVNSV<br>ANEEGFAKECSWRTQSFNNYSPNSHSSKHVSQYTFVDNDEGGISWVTSNRDPPIF<br>SAGVKEGGKRKKKKRKEVQKKSTKRNC                                                                                                                                |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>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.                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                          |
| <b>Gene Name</b>        | DNAJB7 DnaJ (Hsp40) homolog, subfamily B, member 7 [ Homo sapiens ]                                                                      |
| <b>Official Symbol</b>  | DNAJB7                                                                                                                                   |
| <b>Synonyms</b>         | DNAJB7; DnaJ (Hsp40) homolog, subfamily B, member 7; dnaJ homolog subfamily B member 7; HSC3; novel DnaJ domain protein; DJ5; MGC138340; |
| <b>Gene ID</b>          | 150353                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_145174                                                                                                                                |
| <b>Protein Refseq</b>   | NP_660157                                                                                                                                |
| <b>MIM</b>              | 611336                                                                                                                                   |
| <b>UniProt ID</b>       | Q7Z6W7                                                                                                                                   |

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