

Recombinant Full Length Human DNAJA1 Protein, GST-tagged

Cat. No. DNAJA1-3955HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNAJA1 full-length ORF (AAH08182, 1 a.a. - 397 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	397 amino acids
Description	This gene encodes a member of the DnaJ family of proteins, which act as heat shock protein 70 cochaperones. Heat shock proteins facilitate protein folding, trafficking, prevention of aggregation, and proteolytic degradation. Members of this family are characterized by a highly conserved N-terminal J domain, a glycine/phenylalanine-rich region, four CxxCxxG zinc finger repeats, and a C-terminal substrate-binding domain. The J domain mediates the interaction with heat shock protein 70 to recruit substrates and regulate ATP hydrolysis activity. In humans, this gene has been implicated in positive regulation of virus replication through co-option by the influenza A virus. Several pseudogenes of this gene are found on other chromosomes. [provided by RefSeq, Sep 2015]
Molecular Mass	69.41 kDa
AA Sequence	MVKETTYDVLGVKPNATQEELKKAYRKLALKYHPDKNPNEGEKFKQISQAYEVLSD AKKRELYDKGGEQAIKEGGAGGGFGSPMDIFDMFFGGGGGRMQRRERRGKNVVHQL SVTLEDLYNGATRKLALQKNVICDKCEGRGGKKGAVECCPNCRGTGMQIRIHQIGP

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GMVQQIQSVCMQCQGHGERISPKDRCKSCNGRKIVREKKILEVHIDKGMKDGQKITF
HGEDQEPGLEPGDIIIVLDQKDHAVFTRRGEDLFMCMDIQLVEALCGFQKPISTLDN
RTIVITSHPGQIVKHGDIKCVLNEGMPYRRPYEKGRLIEFKVNFPENGFLSPDKLSLL
EKLLPERKEVEETDEMDQVELVDFDPNQERRRHYNGEAYEDDEHHPRGGVQCQT
S

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DNAJA1 DnaJ (Hsp40) homolog, subfamily A, member 1 [Homo sapiens]

Official Symbol

DNAJA1

Synonyms

DNAJA1; DnaJ (Hsp40) homolog, subfamily A, member 1; HSJ2; dnaJ homolog subfamily A member 1; dj 2; hdj 2; HSPF4; NEDD7; neural precursor cell expressed; developmentally down regulated 7; HSJ-2; human DnaJ protein 2; heat shock protein J2; dnaJ protein homolog 2; heat shock 40 kDa protein 4; heat shock protein, DNAJ-like 2; neural precursor cell expressed, developmentally down-regulated 7; DJ-2; DjA1; HDJ2; HSDJ; hDJ-2;

Gene ID

3301

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mRNA Refseq	NM_001539
Protein Refseq	NP_001530
MIM	602837
UniProt ID	P31689

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