

Recombinant Human DnaJ (Hsp40) Homolog, Subfamily C, Member 12, His-tagged

Cat. No. DNAJC12-6948H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DNAJC12 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-198aa
Description	DNAJC12, is a member of the DnaJ/Hsp40 family. The members of the DnaJ/Hsp40 proteins are highly conserved through evolution, expressed in several tissues and act as co-chaperone regulating protein folding, transport, translational initiation and gene expression. DnaJC12 may play a role in protein folding and export and is thought to be involved in estrogen control and the development of breast cancer.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT, 100mM NaCl.
Molecular Mass	26.0 kDa (222aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher).
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDAILN YRSEDTEYY TLLGCDELSS VEQILAEFKV RALECHPDKH PENPKAVETF QKLQKAKEIL TNEESRARYD HWRRSQMSMP FQQWEALNDS VKTSMHWVVR GKLDLMLEES DKTHTTKMEN EECNEQRRERK KEELASTAEK TEQKEPKPLE KSVSPQNSDS SGFADVNGWH

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	LRFRWSKDAP SELLRKFRNY EI
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	DNAJC12 DnaJ (Hsp40) homolog, subfamily C, member 12 [Homo sapiens]
Official Symbol	DNAJC12
Synonyms	DNAJC12; DnaJ (Hsp40) homolog, subfamily C, member 12; dnaJ homolog subfamily C member 12; J domain protein 1; JDP1; j domain-containing protein 1; J domain containing protein 1 (JDP1); RP11-57G10.2;
Gene ID	56521
mRNA Refseq	NM_021800
Protein Refseq	NP_068572
MIM	606060
UniProt ID	Q9UKB3

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Chromosome Location	10q21.3
Function	heat shock protein binding; unfolded protein binding;