

AR50460PU-S**Human DNAJC12 / JDP1 (1-198, His-tag) - Purified****Alternate names:**

DnaJ homolog subfamily C member 12, J domain-containing protein 1

Quantity:

50 µg

Concentration:

0.5mg/ml (determined by Bradford assay)

Background:

DNAJC12, also known as JDP1, 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. This protein is expressed at high levels in brain, heart, and testis, and at reduced levels in kidney and stomach.

Uniprot ID:[Q9UKB3](#)**NCBI:**[NP_068572](#)**GeneID:**[56521](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT, 100mM NaCl**Description:**

Recombinant human DNAJC12 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMDAILN YRSEDTEYY TLLGCDELSS VEQILAEFKV
RALECHPDKH PENPKAVETF QKLQKAKEIL TNEESRARYD HWRRSQMSMP FQQWEALNDS
VKTSMHVVVR GKKDLMLEES DKTHTTKMN EECNEQRERK KEELASTAEK TEQKEPKPLE
KSVSPQNSDS SGFADVNGWH LRFWRKSDAP SELLRKFRNY EI

Molecular weight: 26.0 kDa (222aa) confirmed by MALDI-TOF(Molecular weight on SDS-PAGE will appear higher)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

De Bessa SA, et al. (2006) J Mol Med. 17(2):363-7. Mahlknecht, U., et al. (2009) Int. J. Mol. Med. 23: 245-252.

Pictures:

