
Product Data Sheet

Product Name: DNAJC12 Human
 Cat. No.: GP25068
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dnaj homolog subfamily C member 12; J domain-containing protein 1; DNAJC12; JDP1; RP11-57G10.2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDAILN YRSEDTEDYY TLLGCDELSS VEQILAEFKV RALECHPDKH PENPKAVETF QKLQKAKEIL TNEESRARYD HWRRSQMSMP FQQWEALNDS VKTSMHWVVR GKKDLMLEES DKTHTTKMEN EECNEQRERK KEELASTAEK TEQKEPKPLE KSVSPQNSDS SGFADVNGWH LRFRWSKDAP SELLRKFRNY EI.		
Formulation	The DNAJC12 solution (0.5mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT and 100mM NaCl.		

Introduction

Dnaj (Hsp40) Homolog, Subfamily C, Member 12 (DNAJC12) belongs to the Dnaj/Hsp40 family. Dnaj/Hsp40 family members are linked with complex assembly, protein folding, and export. Dnaj/Hsp40 proteins are extremely conserved throughout evolution and function as co-chaperones regulating protein folding, transport, translational initiation and gene expression. DnajC12 has a role in protein folding and export and is believed to be involved in estrogen control and the development of breast cancer. DNAJC12 is expressed at high levels in the brain, heart, and testis, and at reduced levels in the kidney and stomach.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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DNAJC12 Human Recombinant produced in E. coli is a single polypeptide chain containing 222 amino acids (1-198) and having a molecular mass of 26kDa (Molecular weight on SDS-PAGE will appear higher).DNAJC12 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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