

Recombinant Human DNAJB13 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DNAJB13-4034H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DNAJB13 MS Standard C13 and N15-labeled recombinant protein (NP_705842) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the heat shock protein 40 co-chaperone family which is produced in large amounts in the testis and is located on the radial spokes of the axoneme in human sperm flagella and other flagellar structures. The encoded protein associates with the sperm annulus, as part of the septin complex, through direct interaction with septin 4, during sperm terminal differentiation. Naturally occurring mutations in this gene are associated with primary ciliary dyskinesia and male infertility.
Molecular Mass	35.9 kDa
AA Sequence	MGQDYYSVLGITRNSDAQIKQAYRRRLALKHHPLKSNEPSSAEIFRQIAEAYDVLSDP MKRGIYDKFGEEGLKGGIPLEFGSQTPTWTTGYVFHGKPEKVFHEFFGGNNPFSEFF DAEGSEVDLNFGLQGRGVKKQDPQVERDLYLSLEDLFFGCTKKIKISRRVLNEDG YSSTIKDKILTIDVKPGWRQGTRITFEKEGDQGPNIIPADIIFIVKEKLHPRFRRENDNL FFVNPIPLGKALTCTVEVRTLDDRLLNIPINDIIHPKYFKKVPGEGMPLPEDPTKKGD LFIFFDIQFPTRLTPQKKQMLRQALLTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DNAJB13 DnaJ heat shock protein family (Hsp40) member B13 [Homo sapiens (human)]
Official Symbol	DNAJB13
Synonyms	DNAJB13; DnaJ (Hsp40) homolog, subfamily B, member 13; DnaJ (Hsp40) related, subfamily B, member 13; dnaJ homolog subfamily B member 13; radial spoke 16 homolog A (Chlamydomonas); RSPH16A; TSARG6; 1700014P03Rik; DnaJ-like protein; radial spoke 16 homolog A; testis and spermatogenesis cell-related protein 6; testis spermatogenesis apoptosis-related protein 6; testis spermatocyte apoptosis-related gene 6 protein; testis spermatogenesis apoptosis-related gene 3 protein; testis spermatogenesis apoptosis-related gene 6 protein; TSARG5; FLJ46748;
Gene ID	374407
mRNA Refseq	NM_153614
Protein Refseq	NP_705842

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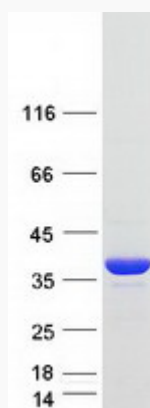
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MIM 610263

UniProt ID P59910

SDS-PAGE



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