

Product datasheet for **SC214886**

DNAJB14 (NM_001031723) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	DNAJB14
Synonyms:	EGNR9427; PRO34683
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001031723
Insert Size:	2000 bp



Insert Sequence:

>SC214886 3'UTR clone of NM_001031723

The sequence shown below is from the reference sequence of NM_001031723. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CGGCTTACCAAGTCTTTATAAAGGAGGATGAAGTGAATTTTTATTATACCTTTTAGCGTACTCTTTAT
TTTTCTGTAAGTAAGTTTGGTTTCATCATGAGGGATGAAGGAAAAGATTTGATACTGAAACTAAACT
GAATAGTTGGTTCTGAAATCTTGGACTGTTTATGACCTACTGGCTCCTTTAAATAGTAAGTGAAGAACT
AAAATGGAATATTTAGTTAACGCTTCTACAAGTATTTTCATTTTAAAGCTTACATGATTCCTAACTA
AAGTGTGCATGAGAAAGGATTATCACACCTGTAGCAATTTCCAGTTTTAGTGATTCTCCATTTTTCCCT
TGTCATGTAATATTTATGGAATGATCATTTTGTGTACATACAGGTACTGCTTTTTTATTTAAATTCT
TTTAGTGTAGTCCATGAGACACTTCAGTTTAAATTGATGGAATAAATGTTATATGACACATTACATA
TTTTCCTTATCAAGGTGTCAAATATGTGGACTTTAAACAATGAACTTTTTCAAAAAGAAAAACAAAA
ACTTTAACTTTGTGTAAATCTTATAGTATTATCAGCTTAGAGGGAATTGATATTTTAAATATTGCCGT
TATATTTCCAAAATATATATTGAGATAAATGAACTGGTGTAGAATATCAGTTTGTCTATTTAGTTTTATGA
ATTACTATACATATACATGCATAGAAATGAAATGCTATACTGATAAATTTAAAGAAAATATGAGGAAA
TGGCTATAAATATTAAGTAAAGGGTCTTCAACAGTAAAGTGCAGTTATGTCATTTAAATTTCCAATA
CTTTAAAGGCCACCAATTTTGTGTATATGTCTTGAAGGGCTGCTAAAATTTATGAAGAGGACTCAC
ATTTTCCCCCATAGAAATTTGCAGTTTCTTGGTGATCATTTAAGCAGGATCCAAAGAAAGTTCCTTTACA
AATAAGTAATAAGAAAATGAGTACTAAAATACAGCTTTGTGCTTTTAACCTATGCCAACTCCTAAA
CATATAAGTAGATTACAGTATACTTATCTGATCAGAGCATGATCTGTTGGCCCATGCAAGTGTGAGC
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CTAGTCTTCTGTGTTAGCAGTTGTAATTTTTAATGATTTTGCTTCATACTCGGTTAATGGAACATAA
ACATATCTTTGATACTTCTTTGTGAGTGAGAGAATGCTAGATAGGGTGGCTTTGTTCTTTGTTAAGTT
TTTTTCTGAATGTAGTTAATTTATGGCATCTGTTGAATAAACTGCTAAAATGACCTCTTAAAAATG
TTCTGTTGATCCCTTTTCCAGGTGAATCAATAGAAATGCCTGATTGAATTAGTAGTTAACTAAAC
AACATACTGTCATAGGAAAAGTGGAGAGCTTAACCAACTTGCTCTTAGAAATGTTACCTTAAAAA
AAAAAGCAGTGCTTAAGAGAAAATACAATTTTAAATTTTGTGAGCCTGCAGAGTAAGTTTTTAA
AATATAAGTTCATAGCATTTTAAATTAACCTTGAAGTTCATATGCATCAGAAAATTTATGAAAATTTGA
ATGAAAAAATTTATCTATTTATTTTCTAATTTTAAATGGCAATTTACACTATTATGGCTGATAATT
CTGTGAAGTACCTTCTTGTGACTGATTTTCCCTTAATCCAGCTTTAAGGAGATAGGTGAAGT
TATTGTACAAAGTTAAGTGATACCATAAAGTATATATTATAAAGTCATACATGGCTTTTGGACAGTAT
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001031723.4

Summary: Acts as a co-chaperone with HSPA8/Hsc70; required to promote protein folding and trafficking, prevent aggregation of client proteins, and promote unfolded proteins to endoplasmic reticulum-associated degradation (ERAD) pathway (PubMed:24732912). Acts by determining HSPA8/Hsc70's ATPase and polypeptide-binding activities (PubMed:24732912). Can also act independently of HSPA8/Hsc70: together with DNAJB12, acts as a chaperone that promotes maturation of potassium channels KCND2 and KCNH2 by stabilizing nascent channel subunits and assembling them into tetramers (PubMed:27916661). While stabilization of nascent channel proteins is dependent on HSPA8/Hsc70, the process of oligomerization of channel subunits is independent of HSPA8/Hsc70 (PubMed:27916661). When overexpressed, forms membranous structures together with DNAJB12 and HSPA8/Hsc70 within the nucleus; the role of these structures, named DJANGOs, is still unclear (PubMed:24732912).[UniProtKB/Swiss-Prot Function]

Locus ID: 79982

MW: 79.3