

## DNAJC30 Protein, Human, Recombinant (His)

### General Information

Synonyms:	Dnaj (Hsp40) homolog, subfamily C, member 30;WBSCR18
Protein Construction:	A DNA sequence encoding the mature form of human DNAJC30 (Q96LL9) (Ser39-Gly124) was expressed with a polyhistidine tag at the N-terminus. Predicted N terminal: His
Species:	Human
Expression Host:	E. coli
Accession:	Q96LL9
Molecular Weight:	11.4 kDa (predicted); 14 kDa (reducing conditions)

### QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

**Reconstitution:**  
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

**Stability & Storage:**

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

**Shipping:**

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

DNAJC30 is a member of the DNAJ molecular chaperone homology domain-containing protein family. DNAJC30 gene is deleted in williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. DNAJC30 is expressed in brain, heart, kidney, liver, lung, spleen, stomach and testis. It contains 1 J domain. DNAJC30 is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal

crossing over between highly homologous low-copy repeat sequences flanking the deleted region.

### Reference

Hillier L W, et al. (2003) The DNA sequence of human chromosome 7. Nature. 424:157-164.

Ota T, et al. (2004) Complete sequencing and characterization of 21,243 full-length human cDNAs. Nat Genet. 36: 40-5.

Merla G, et al. (2002) Identification of additional transcripts in the Williams-Beuren syndrome critical region. Hum Genet. 110:429-38.

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