

Recombinant Human DNAJA1

Catalog No: #GP11648



Package Size: #GP11648-1 100ug

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Description

Product Name	Recombinant Human DNAJA1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 206-397 amino acids of human DnaJ (Hsp40) homolog, subfamily A, member 1
Target Name	DnaJ (Hsp40) homolog, subfamily A, member 1
Other Names	DJ-2; DjA1; HDJ2; HSDJ; HSJ2; HSPF4; NEDD7; hDJ-2
Accession No.	Swissprot:P31689Gene Accession:BC008182
Uniprot	P31689
GeneID	3301;
Storage	-20~-80°C, pH 7.6 PBS

Background

DnaJ-like proteins interact with HSP 70 molecular chaperones and function to facilitate protein folding and mitochondrial protein import. HSP 40-4, also known as HDJ2, is the human DnaJ homolog that functions as a co-chaperone with a cysteine-rich zinc finger domain. The cellular redox enzyme thioredoxin interacts with HSP 40-4, and oxidation and reduction reversibly regulate HSP 40-4 function in response to the changing redox states of the cell. The zinc finger domain of HSP 40-4 may act as a redox sensor of chaperone-mediated protein-folding machinery, since HSP 40-4 inactivation leads to the oxidation of cysteine thiols and a simultaneous release of coordinated zinc. Loss of the HSP 40-4 protein may be linked to severe defects in spermatogenesis that involve aberrant androgen signaling.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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