

Recombinant human 10 kDa heat shock protein, mitochondrial

Catalog No: #AP72133

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Package Size: #AP72133-1 20ug #AP72133-2 100ug #AP72133-3 1mg

Description

Product Name	Recombinant human 10 kDa heat shock protein, mitochondrial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-102aaSequence Info:Full Length
Other Names	10KDA chaperonin;Chaperonin 10 ;CPN10Early-pregnancy factor ;EPF
Accession No.	P61604
Uniprot	P61604
GeneID	3336;
Calculated MW	14.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AGQAFRKFLPLFDRVLVERSAETVTKGGIMLPEKSQGKVLQATVWAVGSGSKGKGGEIQVSVKVGDKVLLP EYGGTKVVLDDKDYFLFRDGDILGKYVD
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Eukaryotic CPN10 homolog which is essential for mitochondrial protein biogenesis, together with CPN60. Binds to CPN60 in the presence of Mg-ATP and suppresses the ATPase activity of the latter.

References

Identification and cloning of human chaperonin 10 homologue.Monzini N., Legname G., Marcucci F., Gromo G., Modena D.Biochim. Biophys. Acta 1218:478-480(1994)Research Topic:Neuroscience

Note: This product is for in vitro research use only