antibodies -online.com





HSP70 Protein (AA 542-679) (His tag)



Overview

Quantity:	100 μg
Target:	HSP70
Protein Characteristics:	AA 542-679
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSP70 protein is labelled with His tag.

Product Details

Sequence:	Glu 542-Gln 679
Characteristics:	A DNA sequence encoding the Mouse HSP-70/HSPA9 protein (P38647) (Glu 542-Gln 679) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	HSP70
Alternative Name:	HSP-70 (HSP70 Products)
Background:	Abbreviation: HSP-70,HSPA9
	Target Synonym: 75 kDa glucose-regulated protein,GRP-75,Heat shock 70 kDa protein
	9,Mortalin,MOT,Peptide-binding protein 74,PBP74
	Background: Chaperone protein which plays an important role in mitochondrial iron-sulfur

Target Details

	cluster (ISC) biogenesis. Interacts with and stabilizes ISC cluster assembly proteins FXN, NFU1, NFS1 and ISCU. Regulates erythropoiesis via stabilization of ISC assembly. May play a role in the control of cell proliferation and cellular aging.
Molecular Weight:	Calculated MW: 15.07 kDa Observed MW: 20 kDa
UniProt:	P38647

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months