

HSC70 protein

Catalog No :	YD0040
Reactivity :	Human
Applications :	WB;SDS-PAGE
Gene Name :	HSPA8
Protein Name :	HSC70 protein
Sequence :	Amino acid: 419-601, with his-MBP tag.
Human Gene Id :	3312
Human Swiss Prot No :	P11142
Mouse Swiss Prot No :	P63017
Formulation :	Liquid in PBS
Source :	E.coli
Dilution :	WB 1:500-2000
Concentration :	SDS-PAGE >90%
Storage Stability :	-20 °C/6 month, -80 °C for long storage
Background :	function:Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones.,induction:Constitutively synthesized.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the heat shock protein 70 family.,subcellular location:Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Interacts with HSPH1/HSP105. Interacts with IRAK1BP1 (By similarity). Interacts with PACRG and TSC2. Interacts with SV40 VP1.,tissue specificity:Ubiquitous., protein folding, 'de novo' protein folding, post-Golgi vesicle-mediated

Function :	transport, response to unfolded protein, response to organic substance, membrane organization, vesicle-mediated transport, intracellular transport, Golgi vesicle transport, 'de novo' posttranslational protein folding, chaperone mediated protein folding requiring cofactor, regulation of cell cycle, response to protein stimulus,
Subcellular Location :	Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock.
Expression :	Ubiquitous.

Products Images

