

## HSC70 protein

<b>Catalog No :</b>	YD0039
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;SDS-PAGE
<b>Gene Name :</b>	HSPA8
<b>Protein Name :</b>	HSC70 protein
<b>Sequence :</b>	Amino acid: 222-369, with his-MBP tag.
<b>Human Gene Id :</b>	3312
<b>Human Swiss Prot No :</b>	P11142
<b>Mouse Swiss Prot No :</b>	P63017
<b>Formulation :</b>	Liquid in PBS
<b>Source :</b>	E.coli
<b>Dilution :</b>	WB 1:500-2000
<b>Concentration :</b>	SDS-PAGE >90%
<b>Storage Stability :</b>	-20 °C/6 month,-80 °C for long storage
<b>Background :</b>	<p>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.,</p> <p>protein folding, 'de novo' protein folding, post-Golgi vesicle-mediated</p>

**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,

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**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.

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**Expression :** Ubiquitous.

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## Products Images

