

Recombinant Full Length Human HSPA2 Protein, C-Flag-tagged

Cat. No. HSPA2-1605HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HSPA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables disordered domain specific binding activity; enzyme binding activity; and unfolded protein binding activity. Involved in negative regulation of inclusion body assembly and protein refolding. Located in cytosol.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	69.8 kDa
AA Sequence	MSARGPAIGIDLGTTYSCVGVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAAKN QVAMNPTNTIFD AKRLIGRKFEDATVQSDMKHWPFRVSEGGKPKVQVEYKGETK TFFPEEISSMVLTKMKEIAEAYLGKKV HSAVITVPAYFNDSQRQATKDAGTITGLNLV RIINEPTAAAIAYGLDKKGCAGGEKNVLIFDLGGGTFDV SILTIEDGIFEVKSTAGDTH LGGEDFDNRMVSHLAEFEFKRKHKKDIGNPKRAVRRRLRTACERAKRTLSSS TQASIEI DSLYEGVDFYTSITRARFEELNADLFRGTLEPVEKALRDAKLDKGQIQEIVLVGGSTRI PKIQ KLLQDFFNGKELNKSINPDEAVAYGAAVQAAAILIGDKSENVQDLLLLDVTPLSL GIETAGGVMTPLIKRN TTIPTKQTQTFTTYSQSSVLVQVYEGERAMTKDNNLLGK FDLTGIPPAPRGVPQIEVTFDIDANGILN VTAADKSTGKENKITITNDKGRLSKDDIDR

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MVQEAERYKSEDEANRDRVAAKNALESYTYNIKQTVEDEK LRGKISEQDKNKILDK
CQEVINWLDRNQMAEKDEYEHKQKELERV CNPIISKLYQGGPGGGSGGGGSGAS
GGPTIEEVDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Stem cell - Pluripotency
Protein Pathways	Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Spliceosome
Full Length	Full L.

GENE INFORMATION

Gene Name	HSPA2 heat shock protein family A (Hsp70) member 2 [Homo sapiens (human)]
Official Symbol	HSPA2
Synonyms	HSP70-2; HSP70-3

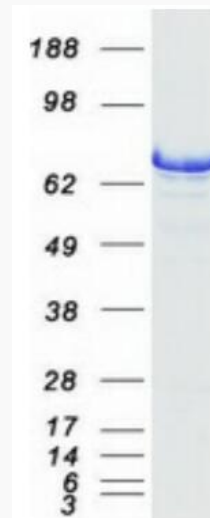
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Gene ID	3306
mRNA Refseq	NM_021979.4
Protein Refseq	NP_068814.2
MIM	140560
UniProt ID	P54652



Coomassie blue staining of purified HSPA2 protein.