Recombinant Full Length Human HSPA14 Protein, C-Flag-tagged

Cat. No. HSPA14-1312HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HSPA14 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Predicted to enable several functions, including ATP binding activity; misfolded protein binding activity; and unfolded protein binding activity. Predicted to be involved in several processes, including cellular response to unfolded protein; chaperone cofactor-dependent protein refolding; and protein refolding. Located in cytosol. Colocalizes with ribosome.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.6 kDa
AA Sequence	MAAIGVHLGCTSACVAVYKDGRAGVVANDAGDRVTPAVVAYSENEEIVGLAAKQSR IRNISNTVMKVKQI LGRSSSDPQAQKYIAESKCLVIEKNGKLRYEIDTGEETKFVNPE DVARLIFSKMKETAHSVLGSDANDVV ITVPFDFGEKQKNALGEAARAAGFNVLRLIH EPSAALLAYGIGQDSPTGKSNILVFKLGGTSLSLSVMEV NSGIYRVLSTNTDDNIGGA HFTETLAQYLASEFQRSFKHDVRGNARAMMKLTNSAEVAKHSLSTLGSANC FLDSL YEGQDFDCNVSRARFELLCSPLFNKCIEAIRGLLDQNGFTADDINKVVLCGGSSRIPK LQQLIKD LFPAVELLNSIPPDEVIPIGAAIEAGILIGKENLLVEDSLMIECSARDILVKGV

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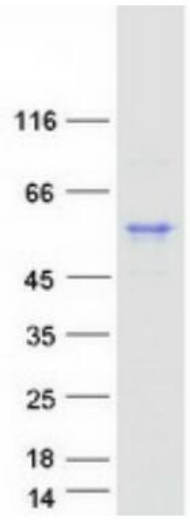
	DESGASRFTVLFPSGT PLPARRQHTLQAPGSISSVCLELYESDGKNSAKEETKFAQ VVLQDLDKKENGLRDILAVLTMKRDGSLHV TCTDQETGKCEAISIEIASTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and 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	Druggable Genome, Stem cell - Pluripotency
Full Length	Full L.

GENE INFORMATION

Gene Name	HSPA14 heat shock protein family A (Hsp70) member 14 [Homo sapiens (human)]
Official Symbol	HSPA14
Synonyms	HSP70-4; HSP70L1; MSANTD7
Gene ID	51182
mRNA Refseq	NM_016299.4

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Protein Refseq	NP_057383.2
MIM	610369
UniProt ID	Q0VDF9



Coomassie blue staining of purified HSPA14 protein.

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