

Recombinant Human HSPA13 293 Cell Lysate

Cat. No. HSPA13-5358HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for heat shock protein 70kDa family, member 13 (HSPA13) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

 Tel: 1-631-559-9269 1-516-512-3133

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	HSPA13 heat shock protein 70kDa family, member 13 [Homo sapiens]
Official Symbol	HSPA13
Synonyms	HSPA13; heat shock protein 70kDa family, member 13; STCH, stress 70 protein chaperone, microsomal associated, 60kD , stress 70 protein chaperone, microsomal associated, 60kDa; heat shock 70 kDa protein 13; microsomal stress 70 protein ATPase core; microsomal stress-70 protein ATPase core; stress 70 protein chaperone, microsomal-associated, 60kD; stress 70 protein chaperone, microsomal-associated, 60kDa; stress-70 protein chaperone microsomal-associated 60 kDa protein; STCH;
Gene ID	6782
mRNA Refseq	NM_006948
Protein Refseq	NP_008879
MIM	601100
UniProt ID	P48723
Chromosome Location	21q11.1
Function	ATP binding; nucleotide binding;

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