

## ARG81193 Human Hsc70 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG81193 Human Hsc70 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Hsc70 in cell lysates, serum and tissue lysates.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Hsc 70
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	1.54 ng/ml
Sample Type	Cell lysates, serum and tissue lysates.
Standard Range	2.34 - 150 ng/ml
Sample Volume	100 µl
Alternate Names	NIP71; HEL-33; HSPA10; LAP-1; HSC70; HSC71; LAP1; Lipopolysaccharide-associated protein 1; Heat shock 70 kDa protein 8; HSC54; HEL-S-72p; Heat shock cognate 71 kDa protein; HSP71; HSP73; LPS-associated protein 1

### Application Instructions

Assay Time	1.5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Database links	<a href="#">GeneID: 3312 Human</a> <a href="#">Swiss-port # P11142 Human</a>
Gene Symbol	HSPA8
Gene Full Name	heat shock 70kDa protein 8
Background	This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles

during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Function

Acts as a repressor of transcriptional activation. Inhibits the transcriptional coactivator activity of CITED1 on Smad-mediated transcription. Chaperone. Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. May have a scaffolding role in the spliceosome assembly as it contacts all other components of the core complex. Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion by monocytes. Participates in the ER-associated degradation (ERAD) quality control pathway in conjunction with J domain-containing co-chaperones and the E3 ligase CHIP. [UniProt]

Highlight

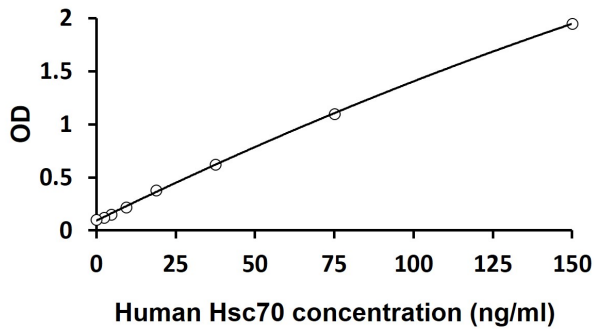
Related products:  
[Hsc70 antibodies](#); [Hsc70 ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

PTM

Acetylated.  
ISGylated.  
Trimethylation at Lys-561 reduces fibrillar SNCA binding.

## Images

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ARG81193 Human Hsc70 ELISA Kit standard curve image

ARG81193 Human Hsc70 ELISA Kit results of a typical standard run with optical density reading at 450 nm.