

## ELISA Kit FOR Heat shock-related 70 kDa protein 2

### Description

<b>Gene name:</b>	HSPA2;
<b>Protein name:</b>	Heat shock-related 70 kDa protein 2(Heat shock 70 kDa protein 2);
<b>Alternative:</b>	
<b>Organism:</b>	Human (Homo sapiens).

### General Annotation

<b>Sub Unit:</b>	Interacts with ZNF541.
<b>Function:</b>	In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage.
<b>Subcellular Location:</b>	N/A

### Protein Attributes:

<b>Sequence length:</b>	639
<b>Sequence:</b>	
<b>50:</b>	MSARGPAIGI   DLGTTYSCVG   VFQHGKVEII   ANDQGNRTTP   SYVAFTDTER
<b>100:</b>	LIGDAAKNQV   AMNPTNTIFD   AKRLIGRKFE   DATVQSDMKH   WPFRRVSEGG
<b>150:</b>	KPKVQVEYKG   ETKTFFPEEI   SSMVLTKMKE   IAEA YLGGKV   HSAVITVPA Y
<b>200:</b>	FNDSQRQATK   DAGTITGLNV   LRIINEPTAA   AIA YGLDKKG   CAGGEKNVLI
<b>250:</b>	FDLGGGTFDV   SILTIEDGIF   EVKSTAGDTH   LGGEDFDNRM   VSHLAEEFKR
<b>300:</b>	KHKKDIGPNK   RAVRRLRTAC   ERAKRTLSSS   TQASIEIDSL   YEGVDFYTSI
<b>350:</b>	TRARFEELNA   DLFRGTLEPV   EKALRDAKLD   KGQIQEIVLV   GGSTRIPKIQ
<b>400:</b>	KLLQDFFNKG   ELNKSINPDE   AVAYGAAVQA   AILIGDKSEN   VQDLLLLDVT
<b>450:</b>	PLSLGIETAG   GVMTPLIKRN   TTIPTKQTQT   FTTYSNQSS   VLVQVVEGER
<b>500:</b>	AMTKDNNLLG   KFDLTGIPPA   PRGVPQIEVT   FDIDANGILN   VTAADKSTGK
<b>550:</b>	ENKITITNDK   GRLSKDDIDR   MVQEAERYKS   EDEANRDRVA   AKNALESYTY
<b>600:</b>	NIKQTVEDEK   LRGKISEQDK   NKILDKCQEV   INWLDRNQMA   EKDEYEHKQK
<b>639:</b>	ELERVCNPII   SKLYQGGPGG   GSGGGGSGAS   GGPTIEEVD
<b>3D Structure:</b>	N/A

## Related Databases

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<b>MIM:</b>	140560
<b>Pfam:</b>	PF00012
<b>UniGene:</b>	Hs.728938
<b>String:</b>	P54652
<b>SMR:</b>	P54652
<b>UniGene:</b>	Hs.432648
<b>STRING:</b>	9606.ENSP00000247207
<b>KEGG:</b>	hsa:3306
<b>Uniprot:</b>	P54652

## References

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