

ELISA Kit FOR Heat shock-related 70 kDa protein 2

Description

Gene name:	Hspa2(Hst70);
Protein name:	Heat shock-related 70 kDa protein 2(Heat shock protein 70.2);
Alternative:	Testis-specific heat shock protein-related(HST);
Organism:	Rat (Rattus norvegicus).

General Annotation

Sub Unit:	Interacts with ZNF541.
Function:	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.
Subcellular Location:	N/A

Protein Attributes:

Sequence length:	633
Sequence:	
50:	MSARGPAIGI DLGTTYSCVG VFQHGKVEII ANDQGNRTTP SYVAFTDTER
100:	LIGDAAKNQV AMNPTNTIFD AKRLIGRKFE DATVQSDMKH WPFRRVSEGG
150:	KPKVQVEYKG EMKTFPPEEI SSMVLTKMKE IAEA YLGGKV QSAVITVPAY
200:	FNDSQRQATK DAGTITGLNV LRIINEPTAA AIA YGLDKKG CAGGEKNVLI
250:	FDLGGGTFDV SILTIEDGIF EVKSTAGDTH LGGEDFDNRM VSHLAEEFKR
300:	KHKKDIGPNK RAVRRLRTAC ERAKRTLSSS TQASIEIDSL YEGVDFYTSI
350:	TRARFEELNA DLFRGTLEPV EKALRDAKLD KGQIQEIVLV GGSTRIPKIQ
400:	KLLQDFFNKG ELNKSINPDE AVAYGAAVQA AILIGDKSEN VQDLLLLDVT
450:	PLSLGIETAG GVMTPLIKRN TTIPTKQTQT FTTYSNQSS VLVQVVEGER
500:	AMTKDNNLLG KFDLTGIPPA PRGVPQIEVT FDIDANGILN VTAADKSTGK
550:	ENKITITNDK GRLSKDDIDR MVQEAERYKS EDEANRDRVA AKNAVESYTY
600:	NIKQTVDEK LRGKISEQDK NKILDKCQEV INWLDRNQMA EKDEYEHKQK
633:	ELERVCNPII SKLYQGGPGG GGSSGGPTIE EVD
3D Structure:	N/A

Related Databases

Pfam:	PF00012
String:	P14659
UniGene:	Rn.211303
KEGG:	mo:60460
SMR:	P14659
STRING:	10116.ENSRNOP00000008504
Uniprot:	P14659

References
