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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

HSPA1A (Human) Recombinant Protein (P01)

Catalog Number: H00003303-P01

Regulation Status: For research use only (RUO)

Product Description: Human HSPA1A full-length ORF (AAH02453, 1 a.a. - 641 a.a.) recombinant protein with GST tag at N-terminal.

Sequence:

MAKAAAIGIDLGTTYSCVGVFQHGKVEIANDQGNRTT
PSYVAFTDTERLIGDAAKNQVALNPQNTVFDKRLIGR
KFGDPVVQSDMKHWPQVINDGDKPKVQVSYKGETK
AFYP EEISSMVLTKMKEIAEAYLGYPTNAVITVPAYFN
DSQRQATKDAGVIAGLNVLRINEPTAAAIAYGLDRTGK
GERNVLIFDLGGGTFDVSILTIDDGIFEVKATAGDTHLG
GEDFDNRLVNHVVEEFKRKHKKDISQNKRAVRRRLRTA
CERAKRTLSSSTQASLEIDSLFEGIDFYTSITRARFEEL
CSDLFRSTLEPVEKALRDAKLDKAQIHDLVLVGGSTRI
PKVQKLLQDFFNGRDLNKSINPDEAVAYGAAVQAAAILM
GDKSENVQDLLLLDVAPLSLGLTAGGVM TALIKRNST
IPTKQTQIFTTYSDNQPGVLIQVYEGERAMTKDNLLG
RFELSGIPPAPRGVPQIEVTFDIDANGILNVTATDKSTG
KANKITITNDKGRLSKEEIERMVQEAKEYKADEVQRE
RVSAKNALESYAFNMKSAVEDEGLKKGISEADKKKVL
DKCQEVISWLDANTLAEKDEFEHKRKELEQVCNPIISG
LYQGAGGPGPGGFGAQQGPKGGSGSGPTIEEVD

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 96.25

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3303

Gene Symbol: HSPA1A

Gene Alias: FLJ54303, FLJ54370, FLJ54392, FLJ54408, FLJ75127, HSP70-1, HSP70-1A, HSP70I, HSP72, HSPA1, HSPA1B

Gene Summary: This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq]

References:

1. The expression of heat shock protein 70 in kidneys in cases of death due to hypothermia. Preus J, Dettmeyer R, Poster S, Lignitz E, Madea B. Forensic Sci Int. 2008 Apr 7;176(2-3):248-52. Epub 2007 Nov 14.