

Recombinant Mouse Hspa5 Protein, His-tagged

Cat. No. Hspa5-238M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hspa5(20-655aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	20-655aa
Description	HSPA5, also known as 78 kDa glucose-regulated protein precursor, is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	72.9 kDa (659aa) Confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSEEDKKE DVGTVVGIDL GTTYSCVGVF KNGRVEIIAN DQGNRITPSY VAFTPGERL IGDAAKNQLT SNPENTVFDA KRLIGRTWND PSVQQDIKFL PFKVVEKKTK PYIQVDIGGG QTKTFAPEEI SAMVLTKMKE TAEAYLGKKV THAVVTVPAY FNDAQRQATK DAGTIAGLNV MRIINEPTAA AIAYGLDKRE GEKNILVFDL GGGTFDVSLT TIDNGVFEVV ATNGDTHLGG EDFDQRMVMEH

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FIKLYKKKTG KDVRKDNRAV QKLRREVEKA KRALSSQHQA RIEIESFFEG
 EDFSETLTRA KFEELNMDLF RSTMKPVQKV LEDSDLKKSD
 IDEIVLVGGS TRIPKIQQLV KEFFNGKEPS RGINPDEAVA YGAAVQAGVL
 SGDQDTGDLV LLDVCPLTLG IETVGGVMTK LIPRNTVVPT
 KKSQIFSTAS DNQPTVTIKV YEGERPLTKD NHLLGTFDLT GIPPAPRGVP
 QIEVTFEIDV NGILRVTAED KGTGNKNKIT ITNDQNRLTP
 EEIERMVNDA EKFAEEDKKL KERIDTRNEL ESYAYSLKNQ IGDKEKLGK
 LSSSEKETME KAVEEKIEWL ESHQDADIED FKAKKKELEE
 IVQPIISKLY GSGGPPPTGE EDTSEKDEL

Purity > 90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Absorbance at 280)

GENE INFORMATION

Gene Name [Hspa5 heat shock protein 5 \[Mus musculus \]](#)

Official Symbol [Hspa5](#)

Synonyms HSPA5; heat shock protein 5; 78 kDa glucose-regulated protein; GRP-78; XAP-1 antigen; heat shock 70 kDa protein 5; glucose regulated protein, 78 kDa; immunoglobulin heavy chain-binding protein; heat shock 70kD protein 5 (glucose-regulated protein, 78kD); Bip; Sez7; mBiP; Grp78; SEZ-7; Hsce70; AL022860; AU019543; D2Wsu17e; D2Wsu141e;

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Gene ID	14828
mRNA Refseq	NM_022310
Protein Refseq	NP_071705
UniProt ID	P20029
	