

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	<p>MGSSHHHHHH SGLVPRGSH MGSEEDKKE DVGTVVGIDL GTTYSCVGVF KNGRVEIIAN DQGNRITPSY VAFTPEGERL IGDAAKNQLT SNPENTVFDA KRLIGRTWND PSVQQDIKFL PFKVVEKKT PYIQVDIGGG QTKTFAPEEI SAMVLTKMKE TAEAYLGKKV THAVVTPAY FNDAQRQATK DAGTIAGLNV MRIINEPTAA AIAYGLDKRE GEKNILVFDL GGGTFDVSL TIDNGVFEVV ATNGDTHLGG EDFDQRVMEH</p>

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FIKLYKKKTG KDVRKDNRAV QKLRREVEKA KRALSSQHQQA RIEIESFFEG
 EDFSETLTRA KFEELNMDLF RSTMKPVQKV LEDSDLKKS
 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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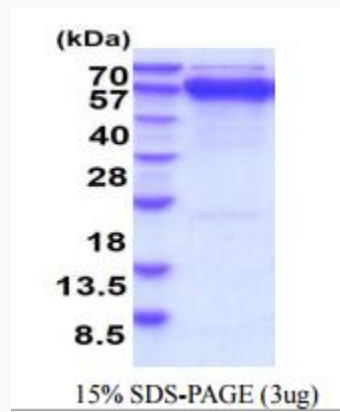
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Gene ID 14828

mRNA Refseq NM_022310

Protein Refseq NP_071705

UniProt ID P20029



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