

Heat Shock 70kDa Protein 5 Recombinant Protein | HSPA5 recombinant protein

Recombinant Heat Shock 70kDa Protein 5 (HSPA5)

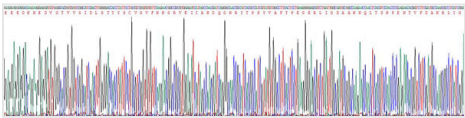
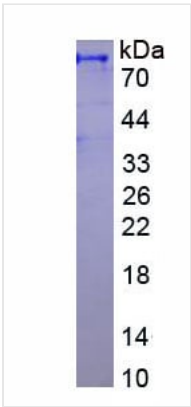
CATALOG # AAA150247	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Heat Shock 70kDa Protein 5; Recombinant Heat Shock 70kDa Protein 5 (HSPA5); MIF2; BIP; GRP78; Immunoglobulin heavy chain-binding protein; Glucose Regulated Protein 78; Binding Immunoglobulin Protein; Endoplasmic reticulum luminal Ca binding grp78; HSPA5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 350ug/mL (varies by lot)
Applicable Applications for HSPA5 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Glu20~Leu655
Tags	N-terminal GST Tag
Subcellular Location	Cytoplasm, Endoplasmic reticulum lumen
Traits	Freeze-dried powder
Predicted isoelectric point	4.7
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

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      E EEDKKEDVGT VVGIDLGTTY SCVGVFKNGR
VEIIANDQGN RITPSYVAF PEGERLIGDA AKNQLTSNPE NTVFDAKRLI
GRTWNDPSVQ QDIKFLPFKV VEKKTTPYIQ VDIGGGQTKT FAPEEISAMV
LTKMKETAEA YLGKKVTHAV VTPPAYFNDQ QRQATKDAGT IAGLNMRII
NEPTAAAIAY GLDKREGEKN ILVFDLGGGT FDSVLLTIDN GVFEVVATNG
DTHLGGEDFD QRVMEHFIKL YKKKTGKQVR KDNRAVQKLR REVEKAKRAL
SSQHQAIEI ESFFEGEDFS ETLTRAKFEE LNMDLFRSTM KPVQKVLEDS
DLKKSIDIEI VLVGGSTRIP KIQLVKKEFF NGKEPSRGIN PDEAVAYGAA
VQAGVLSGQQ DTGDLVLLDV CPLTLGIETV GGVMTKLIPR NTVVPTKKSQ
IFSTASDNQP VTIKVVYEGE RPLTKDNHLL GTFDLTGIPP APRGVPIEV
TFEIDVNGIL RVTAEDKGTG NKNKITIIND QNRLTPEEIE RMVNDAEKFA
EEDKKLKERI DTRNELESYA YSLKNQIGDK EKLGGKLSSE DKETHEKAVE
EKIEWLESHQ DADIEDFKAK KKELEEIVQP IISKLYGSGG PPPTGEEDTS
EKDEL

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Sequence

ADDITIONAL INFORMATION

Product Categories/Family for HSPA5 recombinant protein	Signal transduction; Tumor immunity; Infection immunity
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2506545
NCBI GeneID	14828
UniProt Accession #	P20029
Molecular Weight	Predicted Molecular Mass: 96.5kDa Accurate Molecular Mass: 97kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	Endoplasmic reticulum chaperone BiP
NCBI Official Synonym Full Names	heat shock protein 5
NCBI Official Symbol	Hspa5
NCBI Official Synonym Symbols	Bip; Sez7; mBiP; Grp78; SEZ-7; Hsce70; baffled; AL022860; AU019543; D2Wsu17e; D2Wsu141e
NCBI Protein Information	endoplasmic reticulum chaperone BiP
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	Hspa5
UniProt Synonym Gene Names	BiP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

