

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

Recombinant Heat Shock 70kDa Protein 5 (HSPA5)

CATALOG # AAA134730	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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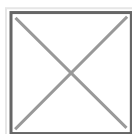
PRODUCT SYNONYMS

Heat Shock 70kDa Protein 5 (HSPA5); Recombinant Heat Shock 70kDa Protein 5 (HSPA5); HSPA5 recombinant protein

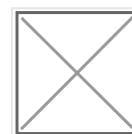
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHH HHSQS-QRVM EHFILYKKK TGKDVRKDN AVQKLRRVE KAKRALSSQH QARIEIESFF EGEDFSETLT RAKFEELNMD LFRSTMKPVQ KVLEDSLLKK SDIDEIVLVG GSTRIPIQQ LVKEFFNGKE PSRGINPDEA VAYGA AVQAG VLSGDQDTGD LVLLDVCPLT LGIETVGGVM TKLIPRNTVW PTKKSQIFST ASDNQPTVTI KVEYGE
Sequence Length	655
Applicable Applications for HSPA5 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Gln261~Glu470 (Accession # P20029) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and 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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	254540168
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NCBI GeneID	14828
NCBI Accession #	NP_001156906.1
NCBI GenBank Nucleotide #	NM_001163434.1
UniProt Accession #	P20029; O35642; Q3UFF2; Q61630
Molecular Weight	24.7kDa
NCBI Official Full Name	78 kDa glucose-regulated protein
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	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)
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	Hspa5
UniProt Synonym Gene Names	Grp78; GRP-78; BiP
UniProt Entry Name	GRP78_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/hspa5-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134730>