

Recombinant Mouse Hspa5 Protein, His-tagged

Cat. No. Hspa5-571M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hspa5(Gln261~Glu470) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gln261~Glu470
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	24.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	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 centigrade 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.

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Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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;

Gene ID [14828](#)

mRNA Refseq [NM_001163434](#)

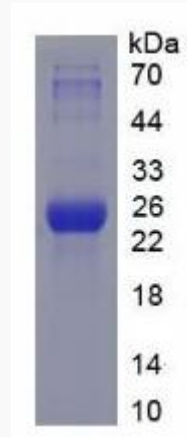
Protein Refseq [NP_001156906](#)

UniProt ID [P20029](#)

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