

Recombinant Mouse HSPA5 Protein (20-655 aa), His-tagged

Cat. No. HSPA5-2010M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse HSPA5 Protein (20-655 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Tags & Cell Markers. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	Yeast
ProteinLength	20-655 aa
Description	Probably plays a role in facilitating the assembly of multimeric protein complexes inside the endoplasmic reticulum. Involved in the correct folding of proteins and degradation of misfolded proteins via its interaction with DNAJC10, probably to facilitate the release of DNAJC10 from its substrate (By similarity).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	72.5 kDa
AA Sequence	EEEDKKEDVGTVVGIDLGTTYSCVGVFKNGRVEIIANDQGNRITPSYVAFTPEGERLI GDAAKNQLTSNPENTVFDAKRLIGRTWNDPSVQQDIKFLPFKVVEKTKPYIQVDIG GGQTKTFAPEEISAMVLTKMKETAAYLGKKVTHAVVTVPAYFNDAQRQATKDAGTI AGLNVMRIINEPTAAAIAYGLDKREGEKNILVFDLGGGTFDVSLLTIDNGVFEVVATNG DTHLGGEDFDQRVMEHFIKLYKKKTGKDVRKDNRAVQKLRRVEKAKRALSSQHQ ARIEIESFFEGEDFSETLTRAKFEELNMDLFRSTMKPVQKVLESDLLKKSDIDEIVLVG

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GSTRIPKIQQLVKEFFNGKEPSRGINPDEAVAYGAHVQAGVLSGDQDTGDLVLLDVC
 PLTLGIETVGGVMTKLIPRNTVVPTKKSQIFSTASDNQPTVTIKVYEGERPLTKDNHLL
 GTFDLTGIPPAPRGVPQIEVTFEIDVNGILRVTAEDKGTGNKNKITITNDQNRLTPEEIE
 RMVNDAEKFAEEDKKLKERIDTRNELESYAYSLKNQIGDKEKLGGKLSSSEDKETMEK
 AVEEKIEWLESHQDADIEDFKAKKKELEEIVQPIISKLYGSGGPPPTGEEDTSEKDEL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

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

Official Symbol [HSPA5](#)

Synonyms HSPA5; GRP-78; XAP-1 antigen; Bip; Sez7; mBiP; Grp78; SEZ-7; Hsce70; AL022860; AU019543; D2Wsu17e; D2Wsu141e;

Gene ID [14828](#)

mRNA Refseq [NM_001163434](#)

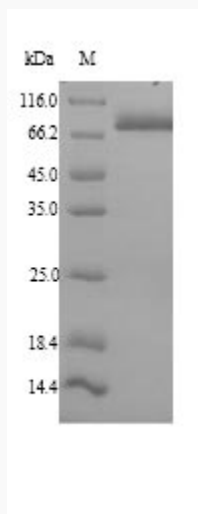
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Protein Refseq NP_001156906

UniProt ID P20029



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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