

Recombinant Mouse Hp protein, His-tagged

Cat. No. Hp-7754M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hp aa. (Ala118~Cys281 (Accession # Q61646)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala118~Cys281
Description	This gene encodes a plasma glycoprotein called haptoglobin that binds free hemoglobin. The encoded preproprotein undergoes proteolytic processing to generate alpha and beta subunits that form a disulfide-linked tetrameric protein that plays an important role in the sequestration and clearance of extracorporeal hemoglobin. Mice lacking the encoded protein exhibit stunted development of lymphoid organs associated with lower counts of mature T and B cells in the blood and secondary lymphoid compartments.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.
Applications	SDS-PAGE; WB; ELISA; IP.
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°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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.

GENE INFORMATION

Gene Name	Hp haptoglobin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Hp
Synonyms	HP-1; preHP2; zonulin; haptoglobin
Gene ID	15439
mRNA Refseq	NM_001329965.1
Protein Refseq	NP_001316894.1

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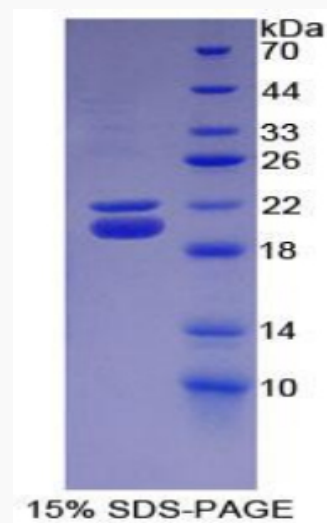
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UniProt ID

Q61646

SDS-PAGE

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