

Recombinant Mouse Upb1 protein, His & T7-tagged

Cat. No. Upb1-7919M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Upb1 aa. (Leu154~Gly393 (Accession # Q8VC97)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu154~Gly393
Description	This gene encodes an enzyme that catalyzes the conversion of N-carbamyl-beta-aminoisobutyric acid and N-carbamyl-beta-alanine to beta-aminoisobutyric acid or beta-alanine. Mutations in the related gene in human have been associated with beta-ureido propionase deficiency.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.4kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	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°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.
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, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

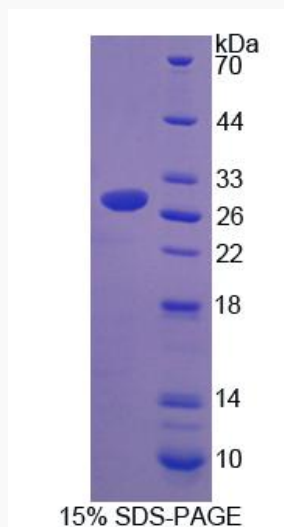
Gene Name	Upb1 ureidopropionase, beta [Mus musculus (house mouse)]
Official Symbol	Upb1
Synonyms	Upb1; ureidopropionase, beta; AI195023; beta-ureidopropionase; N-carbamoyl-beta-alanine amidohydrolase; beta-alanine synthase
Gene ID	103149
mRNA Refseq	NM_133995.4
Protein Refseq	NP_598756.1
UniProt ID	Q8VC97

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SDS-PAGE



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