

## Recombinant Mouse Upb1 protein, His & T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Upb1 aa. (Leu154~Gly393 (Accession # Q8VC97)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu154~Gly393
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 30.4kDa.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.6.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.

## GENE INFORMATION

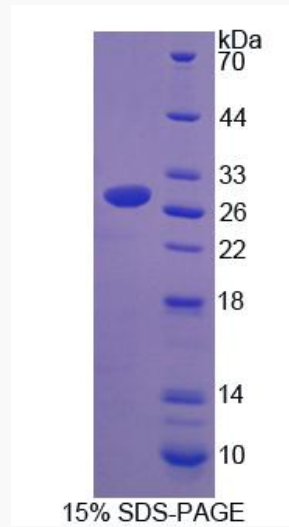
<b>Gene Name</b>	Upb1 ureidopropionase, beta [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Upb1
<b>Synonyms</b>	Upb1; ureidopropionase, beta; A1195023; beta-ureidopropionase; N-carbamoyl-beta-alanine amidohydrolase; beta-alanine synthase
<b>Gene ID</b>	103149
<b>mRNA Refseq</b>	NM_133995.4
<b>Protein Refseq</b>	NP_598756.1
<b>UniProt ID</b>	Q8VC97

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**SDS-PAGE**



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