



Recombinant Human Beta-ureidopropionase (UPB1)

Product Code	CSB-EP890662HU
Abbreviation	UPB1
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9UBR1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAGAEWKSLE ECLEKHLPLP DLQEVKRVLY GKELRKLDLP REAFEAAASRE DFELQGYAFE AAEEQLRRPR IVHVGLVQNR IPLPANAPVA EQVSALHRRRI KAIVEVAAMC GVNIICFQEA WTMPFAFCTR EKLPWTEFAE SAEDGPTTRF CQKLAKNHDM VVVSPILERD SEHGDVLWNT AVVISNSGAV LGKTRKNHIP RVGDFNESTY YMEGNLGHPV FQTQFGRIAV NICYGRHHPL NWLMYSINGA EIIFNPSATI GALSESLWPI EARNAAIANH CFTCAINRVG TEHFPNEFTS GDGKKAHQDF GYFYGSSYVA APDSSRTPGL SRSRDGLLVA KLDLNLCCQQV NDVWNFKMTG RYEMYARELA EAVKSNYSPT IVKE
Source	E.coli
Target Names	UPB1
Protein Names	Recommended name: Beta-ureidopropionase EC= 3.5.1.6 Alternative name(s): BUP-1 Beta-alanine synthase N-carbamoyl-beta-alanine amidohydrolase
Expression Region	1-384
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a protein that belongs to the CN hydrolase family. Beta-ureidopropionase catalyzes the last step in the pyrimidine degradation pathway. The pyrimidine bases uracil and thymine are degraded via the consecutive action of dihydropyrimidine dehydrogenase (DHPDH), dihydropyrimidinase (DHP) and beta-ureidopropionase (UP) to beta-alanine and beta-aminoisobutyric acid, respectively. UP deficiencies are associated with N-carbamyl-beta-amino aciduria and may lead to abnormalities in neurological activity.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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