

Recombinant Human UPB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UPB1-967H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UPB1 MS Standard C13 and N15-labeled recombinant protein (NP_057411) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	43.2 kDa
AA Sequence	MAGAEWKSLEECLEKHLPLPDLQEVRVLYGKELRKLDLPREAFEAAASREDFELQG YAFEAAEEQLRRPRIVHVGLVQNRIPANAPVAEQVSALHRRIKAIVEVAAMCGVNII CFQEAWTMPFAFCTREKLPWTEFAESAEDGPTTRFCQKLAKNNDMNVVSPILERDS EHGDVLWNTAVVISNSGAVLGKTRKNHPRVGFNESTYYMEGNLGHVPVFTQFGR IAVNICYGRHHPLNWLWLMYSINGAEIIFNPSATIGALSELWPIEARNAAIANHCFTCAIN RVGTEHFPNEFTSGDGKKAHQDFGYFYGSSYVAAPDSSRTPGLSRSRDGLLVAKL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DLNLCQQVNDVWNFKMTGRYEMYARELAEAVKSNYSPTIVKETRTRPLEQKLISEE
DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name UPB1 beta-ureidopropionase 1 [Homo sapiens (human)]

Official Symbol UPB1

Synonyms UPB1; ureidopropionase, beta; beta-ureidopropionase; BUP1; BUP-1; beta-alanine synthase; n-carbamoyl-beta-alanine amidohydrolase;

Gene ID 51733

mRNA Refseq NM_016327

Protein Refseq NP_057411

MIM 606673

 Tel: 1-631-559-9269 1-516-512-3133

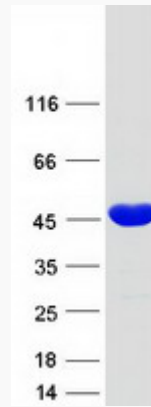
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q9UBR1

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA