

Recombinant Human UBA5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UBA5-2469H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UBA5 MS Standard C13 and N15-labeled recombinant protein (NP_079094) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the E1-like ubiquitin-activating enzyme family. This protein activates ubiquitin-fold modifier 1, a ubiquitin-like post-translational modifier protein, via the formation of a high-energy thioester bond. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been identified on chromosome 1.
Molecular Mass	44.7 kDa
AA Sequence	MAESVERLQQRVQELERELAQERSLQVPRSGDGGGGRVRIEKMSSSEVVDSNPYSR LMALKRMGIVSDYEKIRTFAVAIVGVGGVGSVTAEMLTRCGIGKLLLFDYDKVELANM NRLFFQPHQAGLSKVQAAEHLRNINPDVLFVHNYNITTVENFQHFMDRISNGGLE EGKPVDLVLSCVDNFEARMTINTACNELGQTWMESEVSENAVSGHIQLIIPGESACF ACAPPLVVAANIDEKTLKREGVCAASLPTTMGVVAGILVQNVLFLLNFGTVSFYLG Y NAMQDFFPTMSMKPNPQCDDRNCRKQEEYKKKVAALPKQEVIIQEEEEIIHEDNE WGIELVSEVSEELKNFSGPVPDLPEGITVAYTIPKKQEDSVTELTVEDSGESLEDLM AKMKNMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 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

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	UBA5 ubiquitin-like modifier activating enzyme 5 [Homo sapiens (human)]
Official Symbol	UBA5
Synonyms	UBA5; ubiquitin-like modifier activating enzyme 5; UBE1DC1, ubiquitin activating enzyme E1 domain containing 1; ubiquitin-like modifier-activating enzyme 5; FLJ23251; ubiquitin activating enzyme E1 homolog (yeast); UFM1-activating enzyme; ubiquitin-activating enzyme 5; UBA5, ubiquitin-activating enzyme E1 homolog; ubiquitin-activating enzyme E1-domain containing 1; ubiquitin-activating enzyme E1 domain-containing protein 1; THIFP1; UBE1DC1; FLJ17281; FLJ23251UBA5;
Gene ID	79876
mRNA Refseq	NM_024818
Protein Refseq	NP_079094
MIM	610552

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UniProt ID

Q9GZZ9

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