

Product datasheet for TP301446

UBA1 (NM_003334) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin-like modifier activating enzyme 1 (UBA1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201446 protein sequence Red =Cloning site Green =Tags(s)

MSSSPLSKRRVSGPDPKPGSNCSQAQSVLSEVPSVPTNGMAKNGSEADIDGLYSRQLYVLGHEAMKRL
QTSSVLVSGRLGLGVEIAKNIILGGVKAVTLHDQGTAAQWADLSSQFYLREEDIGKNRAEVSQPRLAELNS
YVPVTAYTGPLVEDFLSGFQVWLTNTPLEDQLRVGEFCHNRGIKLVADTRGLFGQLFCDFGEEMILTD
SNGEQPLSAMVSMVTKDNPGVWTCLDEARHGFESEVQGMVELNGNQPMIEIKVLGPYTFSSICD
T
SNFSDYIRGGIVSQVKVPKKISFKSLVASLAEPDFVVTDFAKFSRPAQLHIGFQALHQFCAQHGRPPRPR
NEEDAAELVALAQAVNARALPAVQQNNLDEDLIRKLAYVAAGDLAPINAFIGGLAAQEVKACSGKFMPI
MQWLYFDALCLPEDKEVLTEKCLQRQNRDYGQVAVFGSDLQEKLGKQKYFLVGAGAIGCELLKNFAMI
GLGCGEGGEEIIVTDMDTIEKSNLNRQFLFRPVDVTKLKSDTAAAQVQMNPHIRVTSHQNRVGPDTERIY
DDDFQNLQDGVANALDNVDARMYMDRRCVYRKPLESGLTGKGNVQVWIPFLTESYSSSQDPPEKSIP
ICTLKNFPNAIEHTLQWARDEFGLFKQPAENVNQYLTPKFVERTLRLAGTQPLEVLEAVQRSLVLQRP
QTWADCVTWACHHWHTQYSNNIRQLLHNFPDQLTSSGAPFWSGPKRCPHPLTFDNNPLHLDYVMA
AAN
LFAQTYGLTGSQDRAAVATFLQSVQVPEFTPKSGVKIHVSDQELQSANASVDDSRLEELKATLPSDKLP
GFKMYPIDFEKDDDSNFHMDFIVAASNLAENYDIPSADRHKSKLIAGKIIPAIATTTAAVGLVCLLEY
KVVQGHRQLDSYKNGFLNLALPFFGFSEPLAAPRHQYYNQEWTLWDRFEVQGLQPNGEEMTLKQFLDY
FK
TEHKLEITMLSQGVSMLYSFFMPAAKLERLDQPMTEIVSRVSKRKLGRHVRALVLELCCNDESGEDVEV
PYVRYTIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	117.7 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003325
Locus ID:	7317
UniProt ID:	P22314
RefSeq Size:	3616
Cytogenetics:	Xp11.3
RefSeq ORF:	3174
Synonyms:	A1S9; A1S9T; A1ST; AMCX1; CFAP124; GXP1; POC20; SMAX2; UBA1A; UBE1; UBE1X; VEXAS
Summary:	The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq, Jul 2008]
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified UBA1 protein (Cat# TP301446). The protein was produced from HEK293T cells transfected with UBA1 cDNA clone (Cat# [RC201446]) using MegaTran 2.0 (Cat# [TT210002]).