

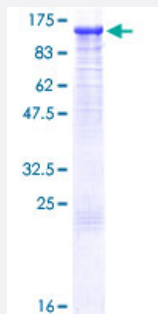
Full-Length

UBA1 (Human) Recombinant Protein (P01)

Catalog # H00007317-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human UBA1 full-length ORF (NP_003325.2, 1 a.a. - 1058 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSSSPLSKRRVSGPDPKPGSNCSQAQSVLSEVPSVPTNGMAKNGSEADIDGLYSRQLYVLG
HEAMKRLQTSSVLVSGRLGLGVEIAKNILGGVKAVTLHDQGTAAQWADLSSQFYLREEDIGKNRAE
VSQPLRAELNSYVPVTAYTGPLVEDFLSGFQVVVLTNTPLEDQLRVGEFCHNRGIKLVVADTRGL
FGQLFCDFGEEMILTDSNGEQPLSAMVSMVTKDNPGVVTCLEARHGFESGDFVSFSEVQGMV
ELNGNQPMKIKVLGPYFISICDTSNFSYIRGGVMSQVKVPKISFKSLVASLAEPDFVVTDFAKFS
RPAQLHIGFQALHQFCAQHGRPPRPRNEEDAAELVALAQAVNARALPAVQQNNLDEDLIRKLAYV
AAGDLAPINAFIGGLAAQEVMMKACSGKFMPIMQWLYFDALECLPEDKEVLTEKCLQRQNRDYG
QVAVFGSDLQEKLGKQKYLVLGAGAIGCELLKNFAMIGLGCGEIGEIVTDMDTIEKSNLNRQFLF
RPWDVTKLKSDTAAAVRQMNPHIRVTSHQNRVGPDTIRYDDFFQNLGVDANALDNVDARMY
MDRRCVYYRKPLLESGLTGKGNVQVVPFLTESYSSSQDPPEKSIPICTLKNFPNAIEHTLQWARD
EFEGLFKQPAENVNQYLTDPKFVERTLRLAGTQPLEVLEAVQRSVLVLRPQTWADCVTWACHH
WHTQYSNNIRQLLHNFPDQLTSSGAPFWSGPKRCPHPLTFDVNNPLHLDYVMAAANLFAQTYG
LTGSQDRAAVATFLQSVQVPEFTPKSGVKIHVSDQELQSANASVDDSRLEELKATLPSPDKLPG
FKMYPIDFEKDDDSNFHMDFVAASNLRANEDIPSADRHKSKLIAGKIIPAIATTTAAVGLVCLELY
KVVQGHRQLDSYKNGFLNLALPFFGFSEPLAAPRHQYNNQEWTLWDRFEVQGLQPNGEEMTLK
QFLDYFKTEHKLEITMLSQGVSMLYSFFMPPAAKLKERLDQPMTEIVSRVSKRKLGRHVRALVLELC
CNDESGEDVEVPYVRYTIR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

144.2

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UBA1

Entrez GeneID	7317
GeneBank Accession#	NM_003334.2
Protein Accession#	NP_003325.2
Gene Name	UBA1
Gene Alias	A1S9, A1S9T, A1ST, AMCX1, GXP1, MGC4781, SMAX2, UBA1A, UBE1, UBE1X
Gene Description	ubiquitin-like modifier activating enzyme 1
Omim ID	314370
Gene Ontology	Hyperlink
Gene 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]

Other Designations

A1S9T and BN75 temperature sensitivity complementing|OTTHUMP00000023197|OTTHUMP0000023198|UBA1, ubiquitin-activating enzyme E1 homolog A|ubiquitin-activating enzyme E1

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)