

Product datasheet for PH301288

UBA2 (NM_005499) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UBA2 MS Standard C13 and N15-labeled recombinant protein (NP_005490)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201288
Predicted MW:	71 kDa
Protein Sequence:	>RC201288 representing NM_005499 Red=Cloning site Green=Tags(s)

MALSRGLPRELAEAVAGGRVLVVGAGGIGCELLKNLVLTFGSHIDLIDLDITIDVSNLNRQFLFQKKHVGR
SKAQVAKESVLQFYPKANIVAYHDSIMNPDYNVEFFRQFILVMNALDNRAARNHVNRMCLAADVPLIESG
TAGYLGQVTTIKKGVTECYECHKPTQRTFPGCTIRNTPSEPIHCIVWAKYLFNQLFGEEDADQEVSPDR
ADPEAAWEPTAEARARASNEGDIKRISTKEWAKSTGYDPVKLFTKLFKDDIRYLLTMDKLWRKRKPPV
PLDWAQVQSQGEETNASDQQNEPQLGLKDQVLDVKSARLFSKSIETLRVHLAEKGDGAELIWDKDDPS
AMDFVTSANLRMHIFSMNMKSRFDIKSMAGNIIPAIATTNAVIAGLIVLEGLKILSGKIDQCRTIFLNK
QPNPRKLLVPCALDPPNPNCYCASKPEVTVRLNVHKVTVLTLQDKIVKEKFAMVAPDVQIEDGKGTIL
ISSEEGETEANNHKKLSEFGIRNGSRLQADDFLQDYTLINILHSEDLGKDVFEVVGDAPEKVGPKQAE
DAAKSITNGSDDGAQPSTSTAQEQDDVLIVDSDEEDSSNNADVSEERSRKRKLEKENLSAKRSRIEQK
EELDDVIALD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

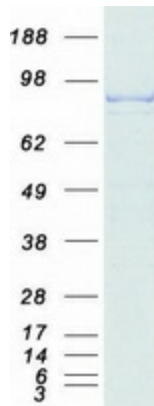
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005490
RefSeq Size:	2682



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RefSeq ORF:	1920
Synonyms:	ARX; HRIHFB2115; SAE2
Locus ID:	10054
UniProt ID:	Q9UBT2
Cytogenetics:	19q13.11
Summary:	Posttranslational modification of proteins by the addition of the small protein SUMO (see SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular localization. SAE1 (MIM 613294) and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins (Okuma et al., 1999 [PubMed 9920803]). [supplied by OMIM, Mar 2010]
Protein Pathways:	Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified UBA2 protein (Cat# [TP301288]). The protein was produced from HEK293T cells transfected with UBA2 cDNA clone (Cat# [RC201288]) using MegaTran 2.0 (Cat# [TT210002]).