

## Product datasheet for **TP301288L**

### UBA2 (NM\_005499) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human ubiquitin-like modifier activating enzyme 2 (UBA2), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC201288 representing NM\_005499  
**Red**=Cloning site **Green**=Tags(s)

MALSRGLPRELAEAVAGGRVLVWGAGGIGCELLKNLVLTFGSHIDLIDLDTIDVSNLNRQFLFQKKHVGR  
SKAQVAKESVLQFYPKANIVAYHDSIMNPDYNVEFFRQFILVMNALDNRAARNHVNRMCLAADVPLIESG  
TAGYLGQVTTIKKGVTECYECHKPTQRTFPGCTIRNTPSEPIHCIVWAKYLFNQLFGEEDADQEVSPDR  
ADPEAAWEPTAEARARASNEGDIKRISTKEWAKSTGYDPVKLFTKLFKDDIRYLLTMDKLWRKRKPPV  
PLDWAEVQSQGEETNASDQQNEPQLGLKDQQVLDVKSYARLFSKSIETLRVHLAEKGDGAELIWDKDDPS  
AMDFVTSANLRMHIFSMNMKSRFDIKSMAGNIIPAIATTNAVIAGLIVLEGLKILSGKIDQCRTIFLNK  
QPNPRKLLVPCALDPPNPNCYVCASKPEVTVRLNVHKVTVLTLQDKIVKEKFAMVAPDVQIEDGKGTIL  
ISSEEGETEANNHKKLSEFGIRNGSRLQADDFLQDYTLINILHSEDLGKDVFEVVGDAPEKVGPKQAE  
DAAKSITNGSDDGAQPSTSTAQEQDDVLIVDSDEEDSSNNADVSEEERSRKRKLDEKENLSAKRSRIEQK  
EELDDVIALD

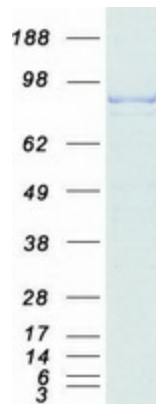
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 71 kDa  
**Concentration:** >0.1 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_005490</u>
<b>Locus ID:</b>	10054
<b>UniProt ID:</b>	<u>Q9UBT2</u>
<b>RefSeq Size:</b>	2682
<b>Cytogenetics:</b>	19q13.11
<b>RefSeq ORF:</b>	1920
<b>Synonyms:</b>	ARX; HRIHFB2115; SAE2
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	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]).