

UBA2 recombinant protein

UBA2, 1-640aa, Human, His tag, Baculovirus

CATALOG # AAA48926	HOST Baculovirus	APPLICATIONS SDS-Page
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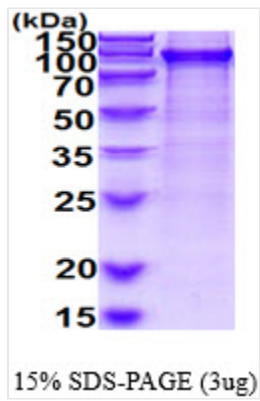
PRODUCT SYNONYMS

UBA2; 1-640aa; Human; His tag; Baculovirus; SUMO-activating enzyme subunit 2; ARX; HRIHFB2115; SAE2; UBA2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	ADLMALSRGL PRELAEAVAG GRVLVVGAGG IGCCELLKNLV LTGFSHIDLI DLDTIDVSNL NRQFLFQKKH VGRSKAQVAK ESVLQFYPA NIVAYHDSIM NPDYNVEFFR QFILVMNALD NRAARNHVNR MCLAADVPLI ESGTAGYLGQ VTTIKKGVTE CYECHKPTQ RTFPGCTIRN TPSEPIHCIV WAKYLFNQLF GEEDADQEV PDRADPEAAW EPTAEARAR ASNEDGDIKR ISTKEWAKST GYDPVKLFTK LFKDDIRYLL TMDKLWRKRK PPVPLDWA EV QSQGEETNAS DQQNEPQLGL KDQQVLDVKS YARLFKSIE TLRVHLAEKG DGAELIWDKD DPSAMDFVTS AANLRMHIFS MNMKSRFDIK SMAGNIIPAI ATTNVIAI GL IVLEGLKILS GKIDQCRTIF LNKQPNPRKK LLVPCALDPP NPNCYVCASK PEVTVRLNVH KVTVLTLDQK IVKEKFAMVA PDVQIEDGKG TILISSEEGE TEANNHKKLS EFGIRNGSRL QADDFLQDYT LLINILHSED LGKDVEFEVV GDAPEKVGPK QAEDAASIT NGSDGGAQPS TSTAQEQDDV LIVDSDEEDS SNNADVSEEE RSRKRKLDEK ENLSAKRSRI EQKEELDDVI ALDHHHHHH
Sequence Length	640
Applicable Applications for UBA2 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-640aa
Endotoxin Level	< 1.0 EU per 1 ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for UBA2 recombinant protein	UBA2, also known as SUMO-activating enzyme subunit 2, is a family of small and related proteins that can be enzymatically attached to a target protein by a post-translational modification process termed sumoylation. It is conjugated to a variety of molecules in the presence of the SAE1/UBA2 SUMO-activating (E1) enzyme and the UBE2I/Ubc9 SUMO-conjugating (E2) enzyme. It may represent an important mechanism to protect neurons during episodes of cerebral ischemia. Recombinant human UBA2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for UBA2 recombinant protein	Ubiquitination
References	Gong L., et al. (1999) FEBS Lett. 448:185-189.; Tatham MH., et al. (2001) J Biol Chem. 276:35368-35374.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885649
NCBI GeneID	10054
NCBI Accession #	NP_005490
NCBI GenBank Nucleotide #	NM_005499.2
UniProt Accession #	Q9UBT2; Q95605; Q59H87; Q6IBP6; Q9NTJ1; Q9UED2; B3KWB9
Molecular Weight	72.3kDa (649aa)
NCBI Official Full Name	SUMO-activating enzyme subunit 2
NCBI Official Synonym Full Names	ubiquitin like modifier activating enzyme 2
NCBI Official Symbol	UBA2
NCBI Official Synonym Symbols	ARX; SAE2; HRIHFB2115
NCBI Protein Information	SUMO-activating enzyme subunit 2
UniProt Protein Name	SUMO-activating enzyme subunit 2
UniProt Gene Name	UBA2
UniProt Synonym Gene Names	SAE2; UBLE1B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

