

uBA5 recombinant protein

uBA5, 1-404aa, human, His tag, E Coli

CATALOG # AAA48788	HOST E Coli	APPLICATIONS SDS-Page
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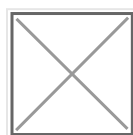
PRODUCT SYNONYMS

uBA5; 1-404aa; human; His tag; E Coli; ubiquitin-like modifier-activating enzyme 5; THIFP1; uBE1DC1; uBA5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMAESVE RLQQRVQELE RELAQERSLQ VPRSGDGGGG RVRIEKMSSE VVDSNPYSRL MALKRMGIVS DYKIRTFAY AIVGVGGVGS VTAEMLTRCG IGKLLLFDDYD KVELANMNRL FFQPHQAGLS KVQAAEHLR NINPDVLFV HNYNITTVEN FQHFMDRISN GGLEEGKPVD LVLSCVDNFE ARMTINTACN ELGQTWMESG VSENAVSGHI QLIIPGESAC FACAPPLVVA ANIDEKTLKR EGVCAASLPT TMGVVAGILV QNVLKFLNF GTVSFYLGYN AMQDFFPTMS MKPNPQCDDR NCRKQQEYK KKVAALPKQE VIQEEEEIH EDNEWGIELV SEVSEELKN FSGPVPDLPE GITVAYTIPK KQEDSVTELT VEDSGESLED LMAKMKNM
Sequence Length	404
Applicable Applications for uBA5 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for uBA5 recombinant protein	uBA5 (ubiquitin-like modifier activating enzyme 5) belongs to the ubiquitin-activating E1 family and uBA5 subfamily. ubiquitin and ubiquitin-like proteins are known to be covalently conjugated to a variety of cellular substrates via a three-step enzymatic pathway. The ubiquitin-activating enzyme (E1) plays a key role in the first step of ubiquitination pathway to activate ubiquitin or ubiquitin-like proteins. uBA5 had been proved to activate an ubiquitin-like protein, ubiquitin-fold modifier 1 (ufm1), by forming a high-energy thioester bond. It localizes mainly in cytoplasm, while it mainly localizes to the nucleus in presence of SuMO2. Recombinant human uBA5 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
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Product Categories/Family for uBA5 recombinant protein	Ubiquitination
References	Komatsu M., et al. (2004) EMBO J. 23:1977-1986; Zheng M., et al. (2008) J. Cell. Biochem. 104:2324-2334

NCBI AND UNIPROT INFORMATION

NCBI GI #	13376212
NCBI GeneID	79876
NCBI Accession #	NP_079094
NCBI GenBank Nucleotide #	NM_024818.4
UniProt Accession #	Q9GZZ9; Q96ST1; A6NJL3; D3DNC8
Molecular Weight	47.4kDa (428aa) confirmed by MALDI-TOF
NCBI Official Full Name	ubiquitin-like modifier-activating enzyme 5 isoform 1
NCBI Official Synonym Full Names	ubiquitin like modifier activating enzyme 5
NCBI Official Symbol	UBA5
NCBI Official Synonym Symbols	EIEE44; SCAR24; THIFP1; UBE1DC1
NCBI Protein Information	ubiquitin-like modifier-activating enzyme 5
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme 5
UniProt Gene Name	UBA5
UniProt Synonym Gene Names	UBE1DC1; Ubiquitin-activating enzyme 5

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.

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Online datasheet: <https://stage.aaabiotech.com/uba5-recombinant-protein-e-coli-sds-page/48788>