

Product datasheet

Recombinant Human UBA3 protein ab123194

1 Image

Description

Product name	Recombinant Human UBA3 protein
Purity	> 90 % SDS-PAGE. ab123194 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q8TBC4</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MGSSHHHHHH SSGLVPRGSH MGSHMADGEE PERKRRRIEE LLAEKMAVDG GCGDTGDWEG RWNHVKKFLE RSGPFTHPDF EPSTESLQFL LDTCKVLVIG AGGLGCELLK NLALSGFRQI HVIDMDTIDV SNLNRQFLFR PKDIGRPKAE VAAEFLNDRV PNCNVVPHFN KIQDFNDFY RQFHIVCGL DSIARRWIN GMLISLLNYE DGVLDPSSIV PLIDGGTEGF KGNARVILPG MTACIECTLE LYPPQVNFPM CTIASMPRLP EHCIEYRML QWPKEQPFGE GVPLDGDDPE HIQWIFQKSL ERASQYNIRG VTYRLTQGVV KRIIPAVAST NAVIAAVCAT EVFKIATSAY IPLNNYLVFN DVDGLYTYTF EAERKENCPA CSQLPQNIQF SPSAKLQEVN DYL TNSASLQ MKSPAITATL EGKNRTLYLQ SVTSIEERTR PNLSKTLKEL GLVDGQELAV ADVTTPQTVL FKLHFTS </pre>
Predicted molecular weight	54 kDa including tags
Amino acids	1 to 463
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab123194** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form	Liquid
Additional notes	This product was previously labelled as UBE1C

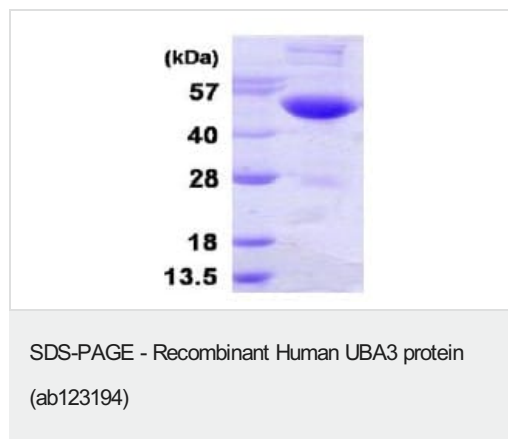
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine)
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General Info

Function	Catalytic subunit of the dimeric UBA3-NAE1 E1 enzyme. E1 activates NEDD8 by first adenylating its C-terminal glycine residue with ATP, thereafter linking this residue to the side chain of the catalytic cysteine, yielding a NEDD8-UBA3 thioester and free AMP. E1 finally transfers NEDD8 to the catalytic cysteine of UBE2M. Down-regulates steroid receptor activity. Necessary for cell cycle progression.
Tissue specificity	Ubiquitously expressed.
Pathway	Protein modification; protein neddylation.
Sequence similarities	Belongs to the ubiquitin-activating E1 family. UBA3 subfamily.

Images



15% SDS-PAGE showing ab123194 (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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