



# Recombinant Rat NEDD8-activating enzyme E1 catalytic subunit (Uba3)

<b>Product Code</b>	CSB-EP859562RA
<b>Abbreviation</b>	Uba3
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q99MI7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ADGEEPEKK RRRIEELLAE KMAVDGGCGD TGDWEGRWNH VKKFLERSGP FTHPDFEPST ESLQFLLDTC KVLVIGAGGL GCELLKNLAL SGFRQIHVID MDTIDVSNLN RQFLFRPKDV GRPKAEVAAE FLNDRVPNCN VVPHFNKIQD FNDFYRQFH IIVCGLDSII ARRWINGMLI SLLNYEDGVL DPSSIVPLID GGTEGFKGNA RVILPGMTAC IECTLELYPP QVNFPMCTIA SMPRLPEHCI EYVRMLQWPK EQPFGDGVPL DGDDPEHIQW IFQKSVERAS QYNIRGVTYR LTQGVVKRII PAVASTNAVI AAVCATEVFK IATSAYIPLN NYLVFNDVDG LYTYTFAER KENCPCSQL PQNIQFSPSA KLQEVLDYLT NSASLQMKSP AITATLEGKN RTLYLQSVTS IEERTRPNLS KTLKELGLVD GQELAVADVT TPQTVLFKLH FT
<b>Source</b>	E.coli
<b>Target Names</b>	Uba3
<b>Protein Names</b>	Recommended name: NEDD8-activating enzyme E1 catalytic subunit EC=6.3.2.- Alternative name(s): NEDD8-activating enzyme E1C Ubiquitin-activating enzyme E1C Ubiquitin-like modifier-activating enzyme 3 Short name= Ubiquitin-act
<b>Expression Region</b>	2-462
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein



binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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