

UBE2B recombinant protein

Recombinant UBE2B protein

CATALOG #
AAA60400

HOST
E coli

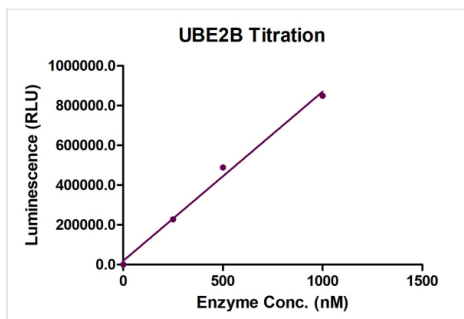
PRODUCT SYNONYMS

UBE2B; Recombinant UBE2B protein; Ubiquitin conjugating enzyme E2 B; E2-17kDa; HHR6B; RAD6B; UBC2; UBE2B recombinant protein

PRODUCT SPECIFICATIONS

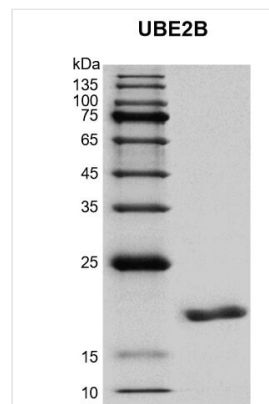
Host	E coli
Purity/Purification	>=95% by SDS-PAGE.
Form/Format	Recombinant UBE2B protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant UBE2B protein that includes full length of human UBE2B protein (accession number NP_003328.1) was expressed in E coli and contains an N-terminal His tag with a molecular weight of 19.48kDa.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



Application Data

AMP-Glo assay for UBE2B activity 7.9uM ubiquitin, 63 nM UBA1 and 25uM ATP were incubated with different concentrations of UBE2B in 10ul reaction system containing 40 mM Tris-HCl pH 7.4, 20 mM MgCl₂, 0.5 mM DTT, 0.1 mg/ml BSA at 37° for 1 hour. 10ul of AMP-Glo Reagent I was added to the reaction and incubated for 1 hour at room temperature. Then 20ul of AMP-Glo Detection Solution was added and luminescence was read after another 30 min incubation.



SDS-PAGE

Recombinant UBE2B protein gel. UBE2B protein was run on a 12.5% SDS-PAGE gel and stained with Coomassie Blue. MW: 19.48kDa Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for UBE2B recombinant protein	UBE2B (Ubiquitin-conjugating enzyme E2 B) also known as E2-17kDa, HHR6B, HR6B, RAD6B and UBC2. UBE2B is a member of the E2 ubiquitin-conjugating enzyme family which is required for post-replicative DNA damage repair and plays an important role in various cellular processes. UBE2B can accept ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In association with the E3 enzyme BRE1 (RNF20 and/or RNF40), it plays a role in transcription regulation by catalyzing the monoubiquitination of histone H2B at 'Lys-120' to form H2BK120ub1. H2BK120ub1 gives a specific tag for epigenetic transcriptional activation, elongation by RNA polymerase II, telomeric silencing, and is also a prerequisite for H3K4me and H3K79me formation. In vitro catalyzes 'Lys-11'-, as well as 'Lys-48'- and 'Lys-63'-linked polyubiquitination. Required for postreplication repair of UV-damaged DNA. Associates to the E3 ligase RAD18 to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. May be involved in neurite outgrowth.
Product Categories/Family for UBE2B recombinant protein	DNA Damage; Ubiquitination; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	19.48kDa
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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/ube2b-recombinant-protein-e-coli/60400>