

UBE2A recombinant protein

Recombinant UBE2A protein

CATALOG #
AAA60379

HOST
E coli

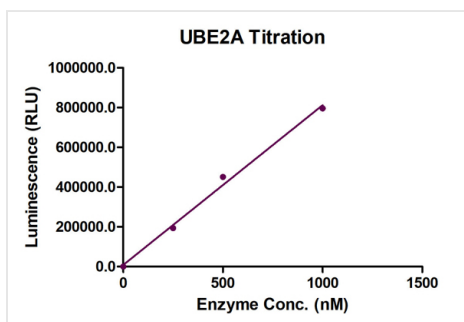
PRODUCT SYNONYMS

UBE2A; Recombinant UBE2A protein; Ubiquitin conjugating enzyme E2 A; HHR6A; MRXS30; MRXSN; RAD6A; UBC; UBE2A recombinant protein

PRODUCT SPECIFICATIONS

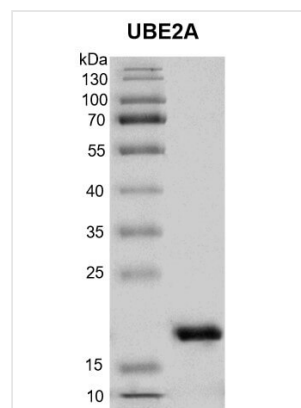
Host	E coli
Purity/Purification	>=95% by SDS-PAGE.
Form/Format	Recombinant UBE2A protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.
Protein Species	Human
Tag	His-Tag
Protein Details	Recombinant UBE2A protein that includes full length of human UBE2A protein (accession number NP_003327.2) 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 UBE2A activity 7.9uM ubiquitin, 63 nM UBA1 and 25uM ATP were incubated with different concentrations of UBE2A 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 3 degree C 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 UBE2A protein 12.5% SDS-PAGE Coomassie staining MW: 19.48kDa
Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for UBE2A recombinant protein	UBE2A (Ubiquitin-conjugating enzyme E2 A) also known as HHR6A,MRXS30, MRXSN, RAD6A, and UBC. UBE2A 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. UBE2A 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'-linked polyubiquitination. Required for post replication repair of UV-damaged DNA.
Product Categories/Family for UBE2A recombinant protein	DNA Damage; Transcription; 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/ube2a-recombinant-protein-e-coli/60379>