

UBE2G2 recombinant protein

Recombinant UBE2G2 protein

CATALOG #
AAA60382

HOST
E coli

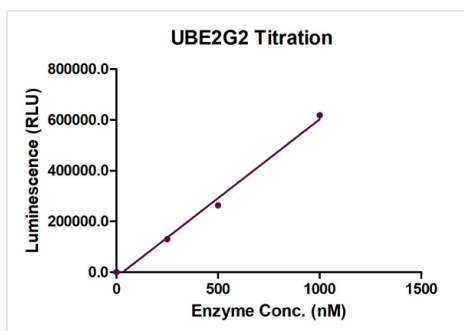
PRODUCT SYNONYMS

UBE2G2; Recombinant UBE2G2 protein; Ubiquitin conjugating enzyme E2 G2; UBC7; UBE2G2 recombinant protein

PRODUCT SPECIFICATIONS

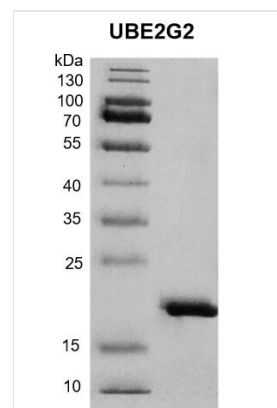
Host	E coli
Purity/Purification	>=95% by SDS-PAGE.
Form/Format	Recombinant UBE2G2 protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.
Protein Species	Human
Tag	His-Tag
Protein Details	Recombinant UBE2G2 protein that includes full length of human UBE2G2 protein (accession number NP_003334.2) was expressed in E coli and contains an N-terminal His tag with a molecular weight of 20.73kDa.
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 UBE2G2 activity 7.9uM ubiquitin, 63 nM UBA1 and 25uM ATP were incubated with different concentrations of UBE2G2 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 UBE2G2 protein 12.5% SDS-PAGE Coomassie staining MW: 20.73kDa
Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for UBE2G2 recombinant protein

UBE2G2 (Ubiquitin-conjugating enzyme E2 G2) also known as UBC7. UBE2G2 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. UBE2G2 can accept ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. Involved in endoplasmic reticulum-associated degradation (ERAD). Required for sterol-induced ubiquitination of 3-hydroxy-3-methylglutaryl coenzyme A reductase and its subsequent proteasomal degradation.

NCBI AND UNIPROT INFORMATION

Molecular Weight

20.73kDa

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/ube2g2-recombinant-protein-e-coli/60382>