

UBE2G1 recombinant protein

Recombinant UBE2G1 protein

CATALOG #
AAA60380

HOST
E coli

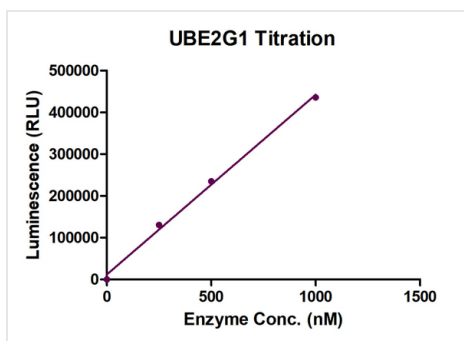
PRODUCT SYNONYMS

UBE2G1; Recombinant UBE2G1 protein; Ubiquitin conjugating enzyme E2 G1; E217K; UBC7; UBE2G; UBE2G1 recombinant protein

PRODUCT SPECIFICATIONS

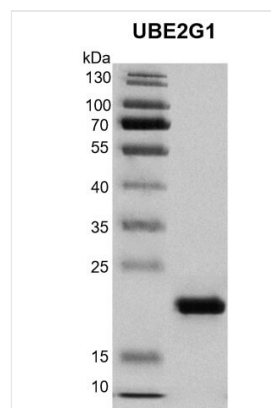
Host	E coli
Purity/Purification	>=95% by SDS-PAGE.
Form/Format	Recombinant UBE2G1 protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.
Protein Species	Human
Tag	His-Tag
Protein Details	Recombinant UBE2G1 protein that includes full length of human UBE2G1 protein (accession number NP_003333.1) was expressed in E coli and contains an N-terminal His tag with a molecular weight of 21.67kDa.
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 UBE2G1 activity 7.9uM ubiquitin, 63 nM UBA1 and 25uM ATP were incubated with different concentrations of UBE2G1 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 UBE2G1 protein 12.5% SDS-PAGE Coomassie staining MW: 21.67kDa
Purity: >=95%

ADDITIONAL INFORMATION

Related Product Information for UBE2G1 recombinant protein

UBE2G1 (Ubiquitin-conjugating enzyme E2 G1) also known as E217K, UBC7, UBE2G. UBE2G1 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. UBE2G1 can accept ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48', as well as 'Lys-63'-linked polyubiquitination. May be involved in degradation of muscle-specific proteins. Mediates polyubiquitination of CYP3A4.

Product Categories/Family for UBE2G1
recombinant protein

[DNA Damage](#); [Transcription](#); [Ubiquitination](#); [Recombinant Proteins](#)

NCBI AND UNIPROT INFORMATION

Molecular Weight 21.67kDa

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/ube2g1-recombinant-protein-e-coli/60380>