

UBE2S recombinant protein

Recombinant UBE2S protein

CATALOG #
AAA60407

HOST
E coli

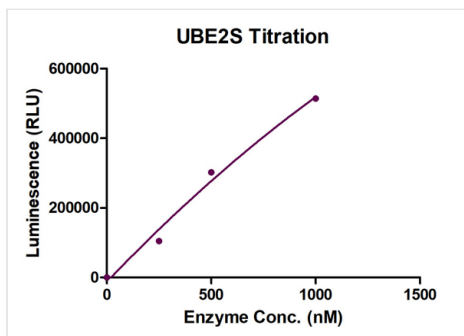
PRODUCT SYNONYMS

UBE2S; Recombinant UBE2S protein; Ubiquitin conjugating enzyme E2 S; E2-EPF; E2EPF; EPF5; UBE2S recombinant protein

PRODUCT SPECIFICATIONS

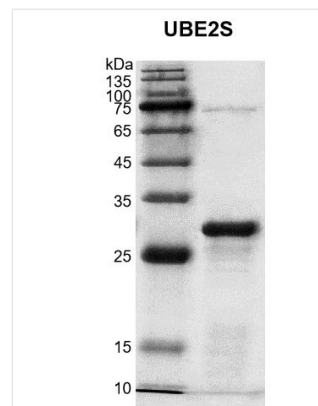
Host	E coli
Purity/Purification	>=90% by SDS-PAGE.
Form/Format	Recombinant UBE2S protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant UBE2S protein that includes full length of human UBE2S protein (accession number NP_055316.2) was expressed in E coli and contains an N-terminal His tag with a molecular weight of 26.01kDa.
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 UBE2S activity 7.9uM ubiquitin, 63 nM UBA1 and 25uM ATP were incubated with different concentrations of UBE2S 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 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 were read after another 30 min incubation.



SDS-PAGE

Recombinant UBE2S protein 12.5% SDS-PAGE Coomassie staining MW: 26.01kDa Purity: >=90%

ADDITIONAL INFORMATION

Related Product Information for UBE2S recombinant protein	UBE2S (Ubiquitin-conjugating enzyme E2 S) also known as E2-EPF, E2EPF and EPF5. UBE2S 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. UBE2S can accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes 'Lys-11'-linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls progression through mitosis. Acts by specifically elongating 'Lys-11'-linked polyubiquitin chains initiated by the E2 enzyme UBE2C/UBCH10 on APC/C substrates, enhancing the degradation of APC/C substrates by the proteasome and promoting mitotic exit. Also acts by elongating ubiquitin chains initiated by the E2 enzyme UBE2D1/UBCH5 in vitro; it is however unclear whether UBE2D1/UBCH5 acts as an E2 enzyme for the APC/C in vivo. Also involved in ubiquitination and subsequent degradation of VHL, resulting in an accumulation of HIF1A. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, except 'Lys-48'-linked polyubiquitination.
Product Categories/Family for UBE2S recombinant protein	DNA Methyltransferase (DNMT); Ubiquitination; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	26.01kDa
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ube2s-recombinant-protein-e-coli/60407>