

Product datasheet

Recombinant Human UBE2V1 protein - BSA and Azide free ab173080

Description

| | |
|-----------------------------------|--|
| Product name | Recombinant Human UBE2V1 protein - BSA and Azide free |
| Purity | > 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. |
| Endotoxin level | < 1.000 Eu/μg |
| Expression system | Escherichia coli |
| Accession | <u>Q13404</u> |
| Protein length | Full length protein |
| Animal free | No |
| Carrier free | Yes |
| Nature | Recombinant |
| Species | Human |
| Sequence | MAATTGSGVKVPRNFRLLLEELEGQKGVGDGTVSWGLE DDEDMTLTRWTG MIIGPPRTIYENRIYSLKIECGPKYPEAPPFVRFVTKINMNGV NSSNGVV DPRAISVLAKWQNSYSIKVVLQELRRLMMSKENMKLPQP PEGQCYSNLEH HHHHH |
| Predicted molecular weight | 18 kDa including tags |
| Amino acids | 2 to 147 |
| Tags | His tag C-Terminus |
| Description | Recombinant Human UBE2V1 protein (BSA and azide free) |

Specifications

Our **Abpromise guarantee** covers the use of **ab173080** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|---------------------|------------------|
| Applications | SDS-PAGE HPLC |
| Form | Liquid |

Preparation and Storage

Stability and Storage

Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8

Constituents: 1.19% HEPES, 0.58% Sodium chloride

Supplied as a 0.2 µM filtered solution.

General Info

Function

Has no ubiquitin ligase activity on its own. The UBE2V1-UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains that are linked through Lys-63. This type of poly-ubiquitination activates IKK and does not seem to involve protein degradation by the proteasome. Plays a role in the activation of NF-kappa-B mediated by IL1B, TNF, TRAF6 and TRAF2. Mediates transcriptional activation of target genes. Plays a role in the control of progress through the cell cycle and differentiation. Plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage.

Tissue specificity

Highly expressed in thyroid, pancreas, spinal cord, lymph node, trachea, adrenal gland, bone marrow and pancreas. Detected at low levels in heart, breast, placenta, brain, liver, kidney, stomach and lung.

Sequence similarities

Belongs to the ubiquitin-conjugating enzyme family.

Cellular localization

Nucleus. Excluded from the nucleolus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors