

Recombinant Human NEDD8-conjugating enzyme UBE2F(UBE2F)

Catalog No: #AP77066

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Package Size: #AP77066-1 20ug #AP77066-2 100ug #AP77066-3 1mg

Description

| | |
|-----------------------|---|
| Product Name | Recombinant Human NEDD8-conjugating enzyme UBE2F(UBE2F) |
| Brief Description | Recombinant Protein |
| Host Species | E.coli |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:1-185aaSequence Info:Full Length |
| Other Names | NEDD8 carrier protein UBE2F NEDD8 protein ligase UBE2F NEDD8-conjugating enzyme 2 Ubiquitin-conjugating enzyme E2 F |
| Accession No. | Q969M7 |
| Uniprot | Q969M7 |
| GeneID | 140739; |
| Calculated MW | 48.1 kDa |
| Tag Info | N-terminal GST-tagged |
| Target Sequence | MLTLASKLKRDDGLKGSRTAATASDSTRRVSVRDKLLVKEVAELEANLPCTCKVHFDPNKLHCFQLTVPDE GYYQGKGFQFETEVDPDAYNMVPPKVKCLTKIWHPNITETGEICLSLLREHSIDGTGWAPTRTLKDVVWGLNSL FTDLLNFDDPLNIEAAEHHLRDKEDFRNKVDDYIKRYAR |
| Formulation | Tris-based buffer50% glycerol |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

Background

Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX2, but not RBX1, suggests that the RBX2-UBE2F complex neddylates specific target proteins, such as CUL5.

References

"E2-RING expansion of the NEDD8 cascade confers specificity to cullin modification."

Huang D.T., Ayrault O., Hunt H.W., Taherbhoy A.M., Duda D.M., Scott D.C., Borg L.A., Neale G., Murray P.J., Roussel M.F., Schulman B.A.

Mol. Cell 33:483-495(2009)Research Topic:Others

Note: This product is for in vitro research use only