

Recombinant Human NEDD8-conjugating enzyme UBE2F(UBE2F)

Catalog No: #AP77066

Orders: order@signalwayantibody.com

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

Support: tech@signalwayantibody.com

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