NEDD8 activating enzyme E1 (human), (recombinant) (His-tag)

Conjugation of mature NEDD8 to specific lysine residues on target proteins via isopeptide bonds allows NEDD8 to play a critical regulatory role in cell proliferation and development, a process closely associated to the ubiquitin-proteasome pathway. An increasing number of substrates for NEDDylation are being identified including the tumor suppressors p53 and VHL and members of the well-characterized cullin ubiquitin E3 ligase family, underlining the vital role NEDD8 modification plays in cellular processes.

Citations: 3 View Online »

Ordering Information

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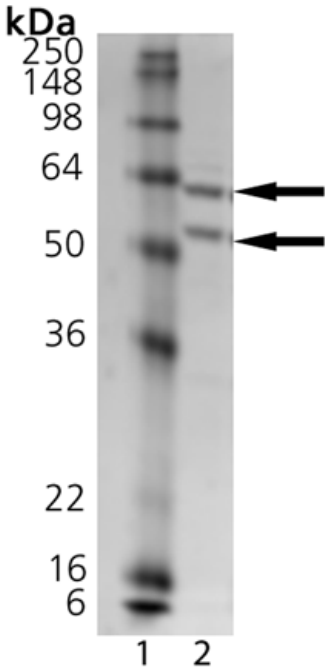
ENZ-PRT112-0050	50µg

Manuals, SDS & CofA

View Online »



SDS-PAGE Analysis. Lane 1: MW Marker; Lane 2: 1 ug NEDD8 E1.

Handling & Storage

Long Term Storage -80°C

Shipping Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name NEDD8-activating enzyme E1 catalytic subunit, NEDD8-activating enzyme E1C, Ubiquitin-activating enzyme E1C, Ubiquitin-like modifier-activating enzyme 3, Ubiquitin-activating enzyme 3

Application Notes For use in NEDD8 conjugation reactions and NEDDylation pathway studies.

Formulation Liquid. In 25mM HEPES, pH 7.5, containing 150mM NaCl, 1mM DTT.

MW 62kDa + 53kDa (heterodimer: 112.15kDa)

Purity ≥95% (SDS-PAGE)

Purity Detail Copurified in His-tagged form with Uba3; copurified with APP-BP1.

Source Produced in *E. coli*.

UniProt ID Q8TBC4

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