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- Expressversand

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Data Sheet

Nedd 4

Human, recombinant, N-terminal FLAG tag

Catalog #: 80404

Lot#: 120416-A **Conc.:** 0.21 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80 µg/ml Flag peptide, 20% glycerol, and 3 mM DTT.

Stability: >6 months at -80°C

References:

1. Kotorashvili A. *et al.*, *J. Biol. Chem.* **284** (24), 16667-16678 (2009).
2. Plant P.J. *et al.*, *Biochem. J.* **419** (1), 57-63 (2009).

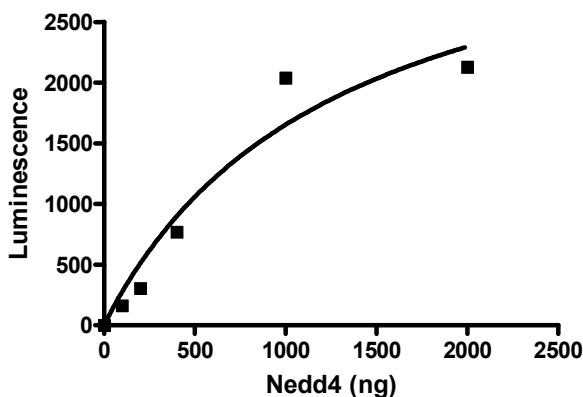
Description: Human Nedd 4 (GenBank Accession No. NM_006154), amino-acids 150-end, with N-terminal FLAG tag, MW= 86 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

Assay conditions: 50 µl of reaction mix (4 mM ATP, 5 mM MgCl₂, 1 mM DTT, E1 (0.5 µg), E2 (2.8 µg), Biotin-Ubiquitin (0.5 µg) and Nedd 4 (0-1.25 µg) in 50 mM Tris pH 7.4) is incubated for 30 min at 37°C. Transfer the reaction mixture to a streptavidin-coated plate and incubate for 30 min at 37°C. Add antibody against Nedd 4, incubate 1 hr. Then, add secondary HRP-labeled antibody and incubate 30 min. Finally, add HRP chemiluminescent substrates and read luminescence.

Application: Useful in conjunction with E1 and E2 for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

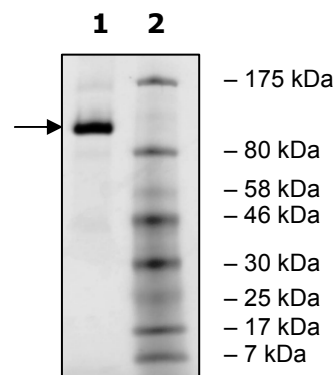
Nedd 4 Specific Activity



10% SDS-PAGE Coomassie staining

Lane 1:
3.2 µg Nedd 4
Lane 2:
Protein Marker
BioLabs (#P7708L)

MW: 86 kDa
Purity: ≥92%



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