

NAE1, 1-534aa, Human, His tag, E.coli

Cat.NO.: TP03082

3th Edition

Synonyms: NEDD8 activating enzyme E1 subunit 1, A-116A10.1, APPBP1, HPP1, ula-1.

Description: NAE1 (NEDD8-activating enzyme E1 regulatory subunit) belongs to the ubiquitin-activating E1 family. This protein binds to the beta-amyloid precursor protein. Beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is thought to play a role in the pathogenesis of Alzheimer's disease. NAE1 participates in a novel ubiquitinylation-related pathway involving the ubiquitin-like molecule NEDD8.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 200mM NaCl

Molecular Weight: 62.7kDa (557aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGMAQLGKLLKEQKYDRQLRLWGDHGQEALES AHVCLINATATGTEILKNLVLP
GIGSFTIIDGNQVSGEDAGNNFFLQRSSIGKNRAEAAMEFLQELNSDVSGSFVEESPENLLDNDPSFFCRFTVVVAT
QLPESTSLRLADVLWNSQIPLLICRTYGLVGYMRIIIKEHPVIESHPDNALEDLRLDKPFPELREHFQSYDLDHMEKKD
HSHTPWIVIIAKYLAQWYSETNGRIPKTYKEKEDFRDLIRQGILKNENGAPEDENFEEAIKNVNTALNTTQIPSSIEDI
FNDDRCINITKQTPSFWILARALKEFVAKEGQGNLPVRGTIPDMIADSGKYIKLQNVYREKAKKDAAAVGNHVAKLLQ
SIGQAPESISEKELKLLCSNSAFLRVVRCRSLAEEYGLDTINKDEIISMDNPDNEIVLYLMLRAVDRFHKQQGRYPG
VSNYQVEEDIGKLSCLTGFLQEYGLSVMVKDDYVHEFCRYGAAEPHTIAAFLGGAAAQEVIKIITKQFVIFNNTYIYS
GMSQTSATFQL

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.