
Product Data Sheet

Product Name: NAE1 Human
 Cat. No.: GP21970
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NEDD8-activating enzyme E1 regulatory subunit; Amyloid beta precursor protein-binding protein 1 59 kDa; APP-BP1; Amyloid protein-binding protein 1; Proto-oncogene protein 1; NAE1; APPBP1; HPP1; ula-1; A-116A10.1.		
Amino Acid Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSMAQLGKL LKEQKYDRQL RLWGDHGGQEA LESAHVCLIN ATATGTEILK NLVLPGIGSF TIIDGNQVSG EDAGNNFFLQ RSSIGKNRAE AAMEFLQELN SDVSGSFVEE SPENLLDNDP SFFCRFTVVV ATQLPESTSL RLADVWNSQ IPLLICRTYG LVGYMRIIK EHPVIESHPD NALEDLRLDK PFPELREHFQ SYDLDHMEKK DHSHTPWIVI IAKYLAQWYS ETNGRIPKTY KEKEDFRDLI RQGILKNENG APEDEENFEE AIKNVNTALN TTQIPSSIED IFNDDRCINI TKQTPSWIL ARALKEFVAK EGQGNLPVRG TIPDMIADSG KYIKLQNVYR EKAKKDAAAV GNHVAKLLQS IGQAPESISE KELKLLCSNS AFLRVVRCRS LAEEYGLDTI NKDEIISSMD NPDNEIVLYL MLRAVDRFHK QQGRYPGVS N YQVEEDIGKL KSCLTGFLQE YGLSVMVKDD YVHEFCRYGA AEPHTIAAFL GGAAAQEVK IITKQFVIFN NTYIYSGMSQ TSATFQL.</p>		
Formulation	The NAE1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 200mM NaCl.		

Introduction

NEDD8-activating enzyme E1 regulatory subunit (NAE1) is a member of the ubiquitin-activating E1 family. NAE1 binds to the beta-amyloid precursor protein. Beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is believed to have a role in the pathogenesis of Alzheimer's disease. NAE1 participates in a unique ubiquitylation-related pathway involving the ubiquitin-like molecule NEDD8.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Furthermore, the NAE1 protein is essential for cell cycle progression through the S/M checkpoint.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NAE1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 557 amino acids (1-534) and having a molecular mass of 62.7kDa. NAE1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA