Recombinant Human BNIP3/NIP3 Protein (His Tag)

Catalog No. PKSH032122

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	BCL2/Adenovirus E1B 19 kDa Protein-Interacting Protein 3, BNIP3, NIP3
Species	Human
Expression Host	E.coli
Sequence	Met 1-Leu166
Accession	Q12983
Calculated Molecular Weight	20.6 kDa
Observed molecular weight	28 kDa
Tag	N-6His
Bioactivity	Testing in progress

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB,150mM NaCl,pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual
Reconstitution	Please refer to the printed manual for detailed information.

Background

BCL2/Adenovirus E1B 19 kDa Protein-Iinteracting Protein 3 (BNIP3) is a single-pass membrane protein. BNIP3 is a member of the NIP3 family. BNIP3 contains a single Bcl-2 homology 3 domain and interacts with the E1B 19 kDa protein. BNIP3 have been associated with pro-apoptotic function. BNIP3 is an apoptosis-inducing protein that can overcome BCL2 suppression. It plays a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2. BNIP3 involved in mitochondrial quality control via its interaction with SPATA18/MIEAP, response to mitochondrial damage, participates to mitochondrial protein catabolic process.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com