Datasheet for ABIN7552704

BNIP3 Protein (AA 1-194) (His tag)

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Overview

Quantity:	1 mg
Target:	BNIP3
Protein Characteristics:	AA 1-194
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BNIP3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BNIP3 Protein expressed in mammalien cells.
Sequence:	MSQNGAPGMQ EESLQGSWVE LHFSNNGNGG SVPASVSIYN GDMEKILLDA QHESGRSSSK SSHCDSPPRS QTPQDTNRAS ETDTHSIGEK NSSQSEEDDI ERRKEVESIL KKNSDWIWDW SSRPENIPPK EFLFKHPKRT ATLSMRNTSV MKKGGIFSAE FLKVFLPSLL LSHLLAIGLG IYIGRRLTTS TSTF **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

	• State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	BNIP3
Alternative Name:	BNIP3 (BNIP3 Products)
Background:	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3,FUNCTION: Apoptosis-inducing protein that can overcome BCL2 suppression. May play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates in mitochondrial protein catabolic process (also named MALM) leading to the degradation of damaged proteins inside mitochondria. The physical interaction of SPATA18/MIEAP, BNIP3 and BNIP3L/NIX at the mitochondrial outer membrane regulates the opening of a pore in the mitochondrial double membrane in order to mediate the translocation of lysosomal proteins from the cytoplasm to the mitochondrial matrix. Plays an important role in the calprotectin (S100A8/A9)-induced cell death pathway. {ECO:0000269|PubMed:19935772, ECO:0000269|PubMed:22292033}.
Molecular Weight:	21.5 kDa
UniProt:	Q12983
Pathways:	Autophagy, Brown Fat Cell Differentiation

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

