Ankyrin-3 (ANK3) Recombinant Protein | ANK3 recombinant protein

Recombinant Human Ankyrin-3 (ANK3) , partial

CATALOG #	HOST
AAA117172	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Ankyrin-3 (ANK3); Recombinant Human Ankyrin-3 (ANK3); partial; ANK3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	4088-4199aa; Partial
Sequence	ERTDIRMAIV ADHLGLSWTE LARELNFSVD EINQIRVENP NSLISQSFML LKKWVTRDGK NATTDALTSV LTKINRIDIV TLLEGPIFDY GNISGTRSFA DENNVFHDPV DG
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for ANK3 recombinant protein	Ankyrins are a family of proteins that are believed to link the integral membrane proteins to the underlying spectrin-actin cytoskeleton and play key roles in activities such as cell motility, activation, proliferation, contact, and the maintenance of specialized membrane domains. Multiple isoforms of ankyrin with different affinities for various target proteins are expressed in a tissue-specific, developmentally regulated manner. Most ankyrins are typically composed of three structural domains: an amino-terminal domain containing multiple ankyrin repeats; a central region with a highly conserved spectrin binding domain; and a carboxy-terminal regulatory domain which is the least conserved and subject to variation. Ankyrin 3 is an immunologically distinct gene product from ankyrins 1 and 2, and was originally found at the axonal initial segment and nodes of Ranvier of neurons in the central and peripheral nervous systems. Alternatively spliced variants may be expressed in other tissues. Although multiple transcript variants encoding several different isoforms have been found for this gene, the full-length nature of only two have been characterized.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32967599
NCBI GeneID	288
NCBI Accession #	NP_001140.2
NCBI GenBank Nucleotide #	NM_001149.3
UniProt Accession #	Q12955; Q13484; Q5CZH9; Q5VXD5; Q7Z3G4; Q9H0P5; B1AQT2; B4DIL1; E9PE32
Molecular Weight	160,947 Da
NCBI Official Full Name	ankyrin-3 isoform 2
NCBI Official Synonym Full Names	ankyrin 3

NCBI Official Symbol	ANK3
NCBI Official Synonym Symbols	MRT37; ANKYRIN-G
NCBI Protein Information	ankyrin-3
UniProt Protein Name	Ankyrin-3
UniProt Gene Name	**ANK3**
UniProt Synonym Gene Names	ANK-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/ank3-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117172