Recombinant Human ANK3 Protein, His-tagged

Cat. No. ANK3-154H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANK3 Protein (Asn256-Leu585) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn256-Leu585
Description	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. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder

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Molecular Mass	Predicted Molecular Mass: 39 kDa Accurate Molecular Mass: 39 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ANK3 ankyrin 3, node of Ranvier (ankyrin G) [Homo sapiens (human)]
Official Symbol	ANK3
Synonyms	ANK3; ankyrin 3, node of Ranvier (ankyrin G); ankyrin-3; ankyrin 3; node of Ranvier; ankyrin G; ankyrin G119; ANKYRIN-G; FLJ45464
Gene ID	288
mRNA Refseq	NM_001149

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Protein Refseq	NP_001140
MIM	600465
UniProt ID	Q12955

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