

Recombinant Mouse Itsn1 Protein, His-tagged

Cat. No. Itsn1-1702M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itsn1 Protein (Met1-Pro151) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Pro151
Description	Enables kinase activator activity. Involved in synaptic vesicle endocytosis. Acts upstream of or within negative regulation of neuron apoptotic process; positive regulation of protein kinase B signaling; and small GTPase mediated signal transduction. Located in several cellular components, including calyx of Held; clathrin-coated pit; and lamellipodium. Is active in presynaptic endocytic zone. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; sensory organ; and skeleton. Orthologous to human ITSN1 (intersectin 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.8 kDa Accurate Molecular Mass: 20 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Itsn1 intersectin 1 (SH3 domain protein 1A) [Mus musculus (house mouse)]
Official Symbol	Itsn1
Synonyms	ITSN1; intersectin 1 (SH3 domain protein 1A); intersectin-1; intersectin-L; EH and SH3 domains protein 1; intersectin short form 2 variant 2; intersectin (SH3 domain protein 1A); Eh domain, SH3 domain regulator of endocytosis 1; Ese1; Itsn; Ehsh1; Sh3p17; AA517634; AA545208; AI316805; AI839402; AI848451;
Gene ID	16443
mRNA Refseq	NM_001110275
Protein Refseq	NP_001103745
UniProt ID	Q9Z0R4

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