

## Recombinant Mouse Itsn1 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Itsn1 Protein (Met1-Pro151) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Pro151
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 19.8 kDa Accurate Molecular Mass: 20 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Itsn1 intersectin 1 (SH3 domain protein 1A) [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Itsn1</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">16443</a>
<b>mRNA Refseq</b>	<a href="#">NM_001110275</a>
<b>Protein Refseq</b>	<a href="#">NP_001103745</a>
<b>UniProt ID</b>	<a href="#">Q9Z0R4</a>

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