

## Recombinant Mouse Bsn Protein, His-tagged

Cat. No. Bsn-329M    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Bsn Protein (Asp3713-Trp3942) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asp3713-Trp3942
<b>Description</b>	A structural constituent of presynaptic active zone. Involved in presynapse to nucleus signaling pathway; protein localization to synapse; and regulation of synaptic vesicle cycle. Located in several cellular components, including glutamatergic synapse; postsynaptic density; and presynaptic active zone cytoplasmic component. Is active in GABA-ergic synapse and Schaffer collateral - CA1 synapse. Is expressed in nervous system and retina. Used to study epilepsy. Orthologous to human BSN (bassoon presynaptic cytomatrix protein).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 27 kDa Accurate Molecular Mass: 33 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, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	Bsn bassoon [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Bsn
<b>Synonyms</b>	Bsn; bassoon; protein bassoon; presynaptic cytomatrix protein
<b>Gene ID</b>	12217
<b>mRNA Refseq</b>	NM_007567
<b>Protein Refseq</b>	NP_031593
<b>UniProt ID</b>	O88737

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