

Recombinant Mouse Ntn1 Protein, His-tagged

Cat. No. Ntn1-1870M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ntn1 Protein (Arg23-Ala457) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg23-Ala457
Description	Predicted to be an extracellular matrix structural constituent. Involved in chemorepulsion of axon and regulation of synapse assembly. Acts upstream of or within several processes, including animal organ morphogenesis; generation of neurons; and nuclear migration. Located in basement membrane and cytoplasm. Is expressed in several structures, including alimentary system; central nervous system; integumental system; lung; and sensory organ. Human ortholog(s) of this gene implicated in congenital mirror movement disorder. Orthologous to human NTN1 (netrin 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.7 kDa
Purity	> 97%
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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ntn1 netrin 1 [Mus musculus (house mouse)]
Official Symbol	Ntn1
Synonyms	NTN1; netrin 1; netrin-1; AI561871; BC019633; Netrin-1;
Gene ID	18208
mRNA Refseq	NM_008744
Protein Refseq	NP_032770
UniProt ID	O09118

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