Recombinant Mouse Pclo Protein, His-tagged

Cat. No. Pclo-1925M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pclo Protein (Leu4854-His5068) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu4854-His5068
Description	Enables profilin binding activity. A structural constituent of presynaptic active zone. Involved in presynapse to nucleus signaling pathway; protein localization to synapse; and synaptic vesicle clustering. Acts upstream of or within cytoskeleton organization; insulin secretion; and regulation of exocytosis. Located in postsynaptic density and presynaptic active zone cytoplasmic component. Is expressed in nervous system and sensory organ. Human ortholog(s) of this gene implicated in pontocerebellar hypoplasia type 3. Orthologous to human PCLO (piccolo presynaptic cytomatrix protein).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.6 kDa Accurate Molecular Mass: 33 kDa
Purity	> 90%

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

GENE INFORMATION

Gene Name	Pclo piccolo (presynaptic cytomatrix protein) [Mus musculus (house mouse)]
Official Symbol	Pclo
Synonyms	PCLO; piccolo (presynaptic cytomatrix protein); protein piccolo; aczonin; brain-derived HLMN protein; multidomain presynaptic cytomatrix protein; Acz; Pico; mKIAA0559;
Gene ID	26875
mRNA Refseq	NM_001110796
Protein Refseq	NP_001104266
UniProt ID	Q9QYX7

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