

Recombinant Rat Pclo Protein, His-tagged

Cat. No. Pclo-1926R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pclo Protein (Leu4871-His5085) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Leu4871-His5085
Description	Enables calcium ion binding activity; calcium-dependent phospholipid binding activity; and transcription corepressor binding activity. Involved in several processes, including positive regulation of synaptic vesicle recycling; presynaptic active zone assembly; and regulation of endosome size. Located in several cellular components, including cytoplasmic vesicle; distal axon; and rod spherule. Is active in glutamatergic synapse; parallel fiber to Purkinje cell synapse; and presynaptic active zone cytoplasmic component. 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: 27.5 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) [Rattus norvegicus (Norway rat)]
Official Symbol	Pclo
Synonyms	PCLO; piccolo (presynaptic cytomatrix protein); protein piccolo; presynaptic cytomatrix protein; multidomain presynaptic cytomatrix protein Piccolo; aczonin;
Gene ID	56768
mRNA Refseq	NM_001110797
Protein Refseq	NP_001104267
UniProt ID	Q9JKS6

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