

Recombinant Mouse Doc2a Protein, His-tagged

Cat. No. Doc2a-1362M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Doc2a Protein (Pro227-Ala405) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Pro227-Ala405
Description	Predicted to enable calcium ion binding activity and calcium-dependent phospholipid binding activity. Involved in regulation of calcium ion-dependent exocytosis. Acts upstream of or within spontaneous neurotransmitter secretion. Predicted to be located in cell junction; lysosome; and nuclear lumen. Is expressed in cerebral cortex. Orthologous to human DOC2A (double C2 domain alpha).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.6 kDa Accurate Molecular Mass: 24 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

[Doc2a double C2, alpha \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Doc2a](#)

Synonyms

DOC2A; double C2, alpha; double C2-like domain-containing protein alpha; doc2-alpha;

Gene ID

[13446](#)

mRNA Refseq

[NM_010069](#)

Protein Refseq

[NP_034199](#)

UniProt ID

[Q7TNF0](#)

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