

Recombinant Human DOC2A Protein, His-tagged

Cat. No. DOC2A-1363H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DOC2A Protein (Ile11-Gln241) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile11-Gln241
Description	There are at least two protein isoforms of the Double C2 protein, namely alpha (DOC2A) and beta (DOC2B), which contain two C2-like domains. DOC2A and DOC2B are encoded by different genes; these genes are at times confused with the unrelated DAB2 gene which was initially named DOC-2. DOC2A is mainly expressed in brain and is suggested to be involved in Ca(2+)-dependent neurotransmitter release. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.8 kDa Accurate Molecular Mass: 29 kDa
Purity	> 90%
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 PBS or others.

GENE INFORMATION

Gene Name	DOC2A double C2-like domains, alpha [Homo sapiens (human)]
Official Symbol	DOC2A
Synonyms	DOC2A; double C2-like domains, alpha; double C2-like domain-containing protein alpha; doc2-alpha; Doc2;
Gene ID	8448
mRNA Refseq	NM_003586
Protein Refseq	NP_003577
MIM	604567
UniProt ID	Q14183

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