

Recombinant Full Length Human DOC2A Protein, GST-tagged

Cat. No. DOC2A-4064HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DOC2A full-length ORF (AAH63436, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	400 amino acids
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. [provided by RefSeq, Aug 2013]
Molecular Mass	69.74 kDa
AA Sequence	MRGRRGDRMTINIQEHMAINVCPGPIRPIRQISDYFPRGPGPEGGGGSGGEAPAHL VPLALAPPAALLGATTPEDEGAEVDSYDSDDATALGTLEFDLLYDRASCTLHCSILRAK GLKPMDFNGLADPYVKLHLLPGACKANKLKTQQRNTLNPVWNEDLTYSGITDDDDIT HKVLRIVACDEDKLSHNEFIGEIRVPLRRLKPSQKKHFNICLERQVPLASPSMSAAL RGISCYLKELEQAEQGQGLLEERGRILLSLSYSSRRRGLLVGILRCAHLAAMDVNGY SDPYVKTYLRPDVDKSKHKTCVKKKTLNPEFNEEFFYEIELSTLATKTLVTVWDYD

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IGKSNDFIGGVSLGPGARGEARKHWSDCLQQPDAALERWHTLTSELPPAAGALSSA

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [DOC2A double C2-like domains, alpha \[Homo sapiens \]](#)

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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