



Recombinant Human Double C2-like domain-containing protein alpha (DOC2A)

Product Code	CSB-BP617905HU
Abbreviation	DOC2A
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q14183
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MRGRRGDRMT INIQEHMAIN VCPGPIRPIR QISDYFPRGP GPEGGGGGGGG EAPAHLVPLA LAPPALLGA TTPEDGAEVD SYDSDDATAL GTLEFDLLYD RASCTLHCSI LRAKGLKPMDFNGLADPYVK LHLLPGACKA NKLKTKTQRN TLNPVWNEDL TYSGITDDDI THKVLRIAVC DEDKLSHNEF IGEIRVPLRR LKPSQKKHFN ICLERQVPLA SPSSMSAALR GISCYLKELE QAEQGQGLLE ERGRILLSLS YSSRRRGLLV GILRCAHLAA MDVNGYSDPY VKTYLRPDVD KSKHKTCVK KKTLPNEFNE EFFYEIELST LATKTLEVTW WDYDIGKSND FIGGVSLGPG ARGARKHWS DCLQQPDAAL ERWHTLTSEL PPAAGALSSA
Source	Baculovirus
Target Names	DOC2A
Protein Names	Recommended name: Double C2-like domain-containing protein alpha Short name= Doc2 Short name= Doc2-alpha
Expression Region	1-400
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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