



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

<b>Product Code</b>	CSB-MP617905HU
<b>Abbreviation</b>	DOC2A
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q14183
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MRGRRGDRMT INIQEHMAIN VCPGPIRPIR QISDYFPRGP GPEGGGGGGGG EAPAHLVPLA LAPPAALLGA 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
<b>Source</b>	Mammalian cell
<b>Target Names</b>	DOC2A
<b>Protein Names</b>	Recommended name: Double C2-like domain-containing protein alpha Short name= Doc2 Short name= Doc2-alpha
<b>Expression Region</b>	1-400
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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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