

Recombinant Human DOC2B, GST-tagged

Cat. No. DOC2B-12115H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DOC2B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	36-126a.a.
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. DOC2B is expressed ubiquitously and is suggested to be involved in Ca(2+)-dependent intracellular vesicle trafficking in various types of cells.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name DOC2B double C2-like domains, beta [Homo sapiens]

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Official Symbol	DOC2B
Synonyms	DOC2B; double C2-like domains, beta; DOC2BL, double C2 like domains, beta like; double C2-like domain-containing protein beta; doc2-beta; DOC2BL;
Gene ID	8447
mRNA Refseq	NM_003585
Protein Refseq	NP_003576
MIM	604568
UniProt ID	Q14184
Chromosome Location	17p13.3
Function	calcium-dependent phospholipid binding; syntaxin binding; transporter activity;

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