

Recombinant Human DOC2B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DOC2B-5574H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DOC2B MS Standard C13 and N15-labeled recombinant protein (NP_003576) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	45.8 kDa
AA Sequence	MTLRRRGEKATISIQEHMAIDVCPGPIRPIKQISDYFPRFPRGLPPDAGPRAAAPPDA PARPAVAGAGRRSPSDGAREDDVDQLFGAYGSSPGSPGPSPARPPAKPPEDE PDADGYESDDCTALGTLDFSLLYDQENNALHCTITKAKGLKPMDHNGLADPYVKLHL LPGASKANKLRTKTLRNTLNPTWNETLTYYGITDEDMIRKTLRISVCDEDKFRHNEFI GETRVPLKKLKPNHTKTFSCLEKQLPVDKTEDKSLEERGRILISLKYSSQKQGLLVGI VRCAHLAAMDANGYSDPYVKTYLRPDVDKKSCHKHTAVKKKTLNPEFNEEFCYEIKH GDLAKKSLEVTVWDYDIGKSNDFIGGVVLGIHAKGERLKHWFDCCLKNKDKRIERWHT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LTSELPGAVLSDTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

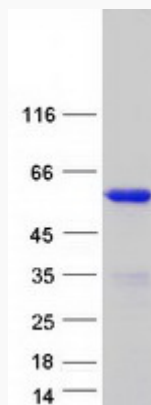
GENE INFORMATION

Gene Name	DOC2B double C2 domain beta [Homo sapiens (human)]
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

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SDS-PAGE

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