

# Recombinant Human DOC2B, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human DOC2B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 36-126a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</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. DOC2B is expressed ubiquitously and is suggested to be involved in Ca(2+)-dependent intracellular vesicle trafficking in various types of cells. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol.                                                                                                                                                                                                                                                                                                                                   |

## GENE INFORMATION

|                  |                                                     |
|------------------|-----------------------------------------------------|
| <b>Gene Name</b> | DOC2B double C2-like domains, beta [ Homo sapiens ] |
|------------------|-----------------------------------------------------|

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

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