

## Recombinant Human DOK4 Protein, GST-tagged

**Cat. No.** DOK4-2812H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DOK4 full-length ORF ( NP_060580.2, 1 a.a. - 326 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | DOK4 (Docking Protein 4) is a Protein Coding gene. Among its related pathways are Developmental Biology and GDNF-Family Ligands and Receptor Interactions. GO annotations related to this gene include signal transducer activity, downstream of receptor and insulin receptor binding. An important paralog of this gene is DOK6.                       |
| <b>Molecular Mass</b>   | 63.4 kDa                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MATNFSDIVKQGYVKMKSRKLGYYRRCWLVRKSSSKGPQRLEKYPDEKSVCLRGC<br>PKVTEISNVKCVTRLPKETKRQAVAIIFTDDSAFTFTCDSELEAEWYKTLSEVCLGS<br>RLNDISLGEPDLLAPGVQCEQTDRFNVFLLPCPNLDVYGECKLQITHENIYLWDIHNP<br>RVKLVSWPLCSLRRYGRDATRFTFEAGRMCDAGEGLYTFQTQEGEQIYQRVHSAT<br>LAIAEQHKRVLLEMEKNVRLNKGTEHYSYPCTPTTMLPR SAYWHHITGSQNIAEAS<br>SYAGEGYGAAQASSETDLLNRFILLKPKPSQGDSSEAKTPSQ |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                        |

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|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DOK4 docking protein 4 [ Homo sapiens ]                                                                        |
| <b>Official Symbol</b> | DOK4                                                                                                           |
| <b>Synonyms</b>        | DOK4; docking protein 4; FLJ10488; IRS5; IRS-5; insulin receptor substrate 5; downstream of tyrosine kinase 4; |
| <b>Gene ID</b>         | 55715                                                                                                          |
| <b>mRNA Refseq</b>     | NM_018110                                                                                                      |
| <b>Protein Refseq</b>  | NP_060580                                                                                                      |
| <b>MIM</b>             | 608333                                                                                                         |
| <b>UniProt ID</b>      | Q8TEW6                                                                                                         |

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