# Recombinant Human DOCK4 Protein, His/GST-tagged

**Cat. No.** DOCK4-403H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human DOCK4(Met1~Pro300) fused with His/GST tag at N-terminal was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Met1~Pro300 |
| **Description** | This gene is a member of the dedicator of cytokinesis (DOCK) family and encodes a protein with a DHR-1 (CZH-1) domain, a DHR-2 (CZH-2) domain and an SH3 domain. This membrane-associated, cytoplasmic protein functions as a guanine nucleotide exchange factor and is involved in regulation of adherens junctions between cells. Mutations in this gene have been associated with ovarian, prostate, glioma, and colorectal cancers. Alternatively spliced variants which encode different protein isoforms have been described, but only one has been fully characterized. |
| **Form** | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| **Molecular Mass** | 42.4kDa |
| **Endotoxin** | <1.0EU per 1μg (determined by the LAL method) |
| **Purity** | > 85% |

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| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein. |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Reconstitution** | Reconstitute in PBS or others. |

## GENE INFORMATION

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| **Gene Name** | DOCK4 dedicator of cytokinesis 4 [ Homo sapiens ] |
| **Official Symbol** | DOCK4 |
| **Synonyms** | DOCK4; dedicator of cytokinesis 4; dedicator of cytokinesis protein 4; FLJ34238; KIAA0716; MGC134911; MGC134912; |
| **Gene ID** | 9732 |
| **mRNA Refseq** | NM_014705 |
| **Protein Refseq** | NP_055520 |
| **MIM** | 607679 |
| **UniProt ID** | Q8N1I0 |

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