

Recombinant Human DOCK4 Protein, His/GST-tagged

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

SPECIFICATION

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 1g (determined by the LAL method)
Purity	> 85%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. 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

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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