

Recombinant Human DOCK4, GST-tagged

Cat. No. DOCK4-12119H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DOCK4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-310a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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
Chromosome Location	7q31.1
Pathway	Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	GTP binding; GTPase binding; PDZ domain binding; Rac GTPase activator activity; Rac GTPase binding; SH3 domain binding; guanyl-nucleotide exchange factor activity; protein binding; receptor tyrosine kinase binding;

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