

Recombinant Human DOCK6, His-tagged

Cat. No. DOCK6-12121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DOCK6 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1699-2041a.a.
Description	This gene encodes a member of the dedicator of cytokinesis (DOCK) family of atypical guanine nucleotide exchange factors. Guanine nucleotide exchange factors interact with small GTPases and are components of intracellular signaling networks. The encoded protein is a group C DOCK protein and plays a role in actin cytoskeletal reorganization by activating the Rho GTPases Cdc42 and Rac1. Mutations in this gene are associated with Adams-Oliver syndrome 2.
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 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	DOCK6 dedicator of cytokinesis 6 [Homo sapiens]
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Official Symbol	DOCK6
Synonyms	dedicator of cytokinesis 6; Ensembl:ENSRNOG00000010652; dedicator of cytokinesis protein 6;
Gene ID	57572
mRNA Refseq	NM_020812.3
Protein Refseq	NP_065863.2
MIM	614194
UniProt ID	B7Z9U8
Chromosome Location	19p13.2
Pathway	Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Regulation of CDC42 activity, organism-specific biosystem; Regulation of RAC1 activity, organism-specific biosystem;
Function	GTP binding; GTPase binding; guanyl-nucleotide exchange factor activity;

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