

Recombinant Full Length Human DOCK7 Protein, GST-tagged

Cat. No. DOCK7-3936HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DOCK7 full-length ORF (AAH16392.1, 1 a.a. - 624 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	624 amino acids
Description	The protein encoded by this gene is a guanine nucleotide exchange factor (GEF) that plays a role in axon formation and neuronal polarization. The encoded protein displays GEF activity toward RAC1 and RAC3 Rho small GTPases but not toward CDC42. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012]
Molecular Mass	98.2 kDa
AA Sequence	MACNQSAVYLQHCFATQRALVSKFPELLFEEETEQCADLCLRLLRHCSSSIGTIRSH ASASLYLLMRQNFEIGNNFARVKMQVTMSLSSLVGTSQNFNEEFLRRSLKTILTYAE EDLELRETTFPDQVQDLVFNLMILSDTVKMKEHQEDPEMLIDLMYRIAKGYQTSPD LRLTWLQNMAGKHSERSNHAEEAAQCLVHSAALVAEYLSMLEDRKYLPGCVTFQNI SSNVLEESAVSDDVVSPDEEGICSGKYFTESGLVGLLEQAAASFMSMAGMYEAVNEV YKVLIPHEANRDAKKLSTIHGKLQEAFSKIVHQDGKRMFGTYFRVGFYGTKFGDLDE QEFVYKEPAITKLAEISHRLEGFYGERFGEDVVEVIKDSNPVDKCKLDPNKAYIQITYV EPYFDITYEMKDRITYFDKNYNLRRFMYCTPFTLDGRAHGEHQFQRKTILTTSFAF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



PYIKTRVNVTHKEEIIILTPIEVAIEDMQKKTQELAFATHQDPADPKMLQMV LQGSVGT
TVNQGP LEVAQVFLSEIPSDPKLFRHHNKLRLCFKDFTKRCEDALRKNKSLIGPDQK
EYQRELERNYHRLKEALQPLINRKIPQLYKAVLPVTCHRD SFSRMSLRKMDL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DOCK7 dedicator of cytokinesis 7 [Homo sapiens]

Official Symbol

DOCK7

Synonyms

DOCK7; dedicator of cytokinesis 7; dedicator of cytokinesis protein 7; KIAA1771;
ZIR2;

Gene ID

85440

mRNA Refseq

NM_033407

Protein Refseq

NP_212132

MIM

615730

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UniProt ID

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