

Recombinant Human DOK4, His-tagged

Cat. No. DOK4-5099H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DOK4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK4 functions in RET-mediated neurite outgrowth and plays a positive role in activation of the MAP kinase pathway. This protein is putative link with downstream effectors of RET in neuronal differentiation. DOK4 may be involved in the regulation of the immune response induced by T-cells.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	39.4kDa (349aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMATNFSD IVKQGYVKMK SRKLGYYRRC WLVRKSSSK GPQRLEKYPD EKSVCRLGCP KVTEISNVKC VTRLPKETKR QAVAIIFTDD SARTFTCDSE LEAEWYKTL SVECLGSRLN DISLGEPDLL APGVQCEQTD RFNVFLLPCP NLDVYGECKL QITHENIYLW DIHNPRVKLV SWPLCSLRRY GRDATRFTFE AGRMCDAGEG LYTFQTQEGE QIYQRVHSAT LAIAEQHKRV LLEMEKNVRL LNKGTEHYSY PCTPTTMLPR SAYWHHITGS QNIAEASSYA GEGYGAAQAS SETDLLNRFI LLKPKPSQGD SSEAKTPSQ

 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

Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	DOK4 docking protein 4 [Homo sapiens]
Official Symbol	DOK4
Synonyms	DOK4; docking protein 4; FLJ10488; IRS5; IRS-5; insulin receptor substrate 5; downstream of tyrosine kinase 4;
Gene ID	55715
mRNA Refseq	NM_018110
Protein Refseq	NP_060580
MIM	608333
UniProt ID	Q8TEW6
Chromosome Location	16q13

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Pathway	Signaling events regulated by Ret tyrosine kinase, organism-specific biosystem;
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Function	insulin receptor binding; receptor signaling protein activity;
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