

Recombinant Human docking protein 4, His-tagged

Cat. No. DOK4-498H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DOK4, 1-326aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-326 a.a.
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. Recombinant human DOK4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
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 SRKLGIIYRRC WLVFRKSSSK GPQRLEKYPD EKSVCRLGCP KVTEISNVKC VTRLPKETKR QAVAIIFTDD SARTFTCDSE LEAEWYKTL SVECLGSRLN DISLGEPDLL APGVQCEQTD RFNVFLLPCP NLDVYGECKL QITHENIYLW DIHNPRVKLV SWPLCSLRRY GRDATRFTFE AGRMCDAGEG LYTFQTQEGE QIQQRVHSAT

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LAIAEQHKRV LLEMEKNVRL LNKGTEHYSY PCTPTTMLPR SAYWHHITGS
QNIAEASSYA GEGYGAAQAS SETDLLNRFI LLKPKPSQGD SSEAKTPSQ

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. 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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