

# Product information



## DOK4, 1-326aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2595

**Full name:** docking protein 4

**NCBI Accession No.:** NP\_060580

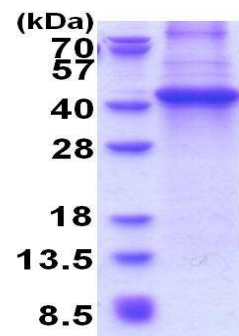
**Description:** DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK4 functions in RET-mediated neurite outgrowth and plays a positive role in activation of the MAP kinase pathway. This protein 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 Weight:** 39.4kDa (349aa)

**Purity:** > 85% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMTNFS D IVKQGYVKMK SRKLG IYRRC WL VFRKSSSK GPQRLEKYPD E KSVCLRGCP KVTE I SNVKC  
VTRLPKETKR QAVAI IFTDD SARTFTCDSE LEAEWYKTL SVECLG SRLN D I SLGEPDLL APGVQCEQTD R FN VFL L P C P NLDVYGECKL  
Q I T H E N I Y L W D I H N P R V K L V S W P L C S L R R Y G R D A T R F T F E A G R M C D A G E G L Y T F Q T Q E G E Q I Y Q R V H S A T L A I A E Q H K R V L L E M E K N V R L  
L N K G T E H Y S Y P C T P T T M L P R S A Y W H H I T G S Q N I A E A S S Y A G E G Y G A A Q A S S E T D L L N R F I L L K P K S Q G D S S E A K T P S Q

### General references:

Hooker, E., *et al.* (2012) *Biochem. Biophys. Res. Commun.* 427 (1), 67-72

Gerard, A., *et al.* (2009) *J. Immunol.* 182 (12), 7681-7689

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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