

**DOK4, 1-326aa Human, His tag, E.coli**

**Cat.NO.: TP01913**

3th Edition

**Synonyms:**docking protein 4, Downstream of tyrosine kinase 4, FLJ10488, IRS-5, IRS5

**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)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMATNFSDIVKQGYVKMKSRKLG IYRRCWL VFRKSSSKGPQRLEKYPDEKSV  
CLRGCPKVTEISNVKCVTRLPKETKRQAVAIIFTDD SARTFTCDSELEAEWYKTL SVECLGSRLNDISLGEPDLLAP  
GVQCEQTD R FNVFLLPCPNLDVYGECKLQITHE NIYLWDIHNPRVKLVSWPLCSLRRYGRDATRFTFEAGRM CDA  
GEGLYTFQTQEGEQIYQRVHSATLAI AEQHKRVLLEMEKNVRL LNKGTEHYSYPCTPTTMLPR SAYWHHITGSQNI  
AEASSYAGEGYGAAQASSETDLLNRFILLKPKPSQGD SSEAKTPSQ

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.