

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:

MGSSHHHHHHSSGLVPRGSHMGSMATNFSDIVKQGYVKMKSRKLGYYRRCWL VFRKSSSKGPQRLEKYPDEKSV
CLRGCPKVTEISNVKCVTRL PKETKRQAVAIIFTDD SARTFTCDSELEAE EWYKTL SVECLGSRLNDISLGEPDLLAP
GVQCEQTDRFNVFLLPCPNLDVYGECKLQITHENIYLWDIHNPRVKLVSWPLCSLRRYGRDATRFTFEAGRMCD A
GEGLYTFQTQEGEQIYQRVHSATLAI AEQHKRVLLEMEKNVRL LNKGTEHYSYPCTPTTMLPR SAYWHHITGSQNI
AEASSYAGEGYGAAQASSETDLLNRFILLKPKPSQGDSSEAKTPSQ

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.