

Recombinant human DOK4 protein

Catalog Number: ATGP2595

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-326aa

UniProt No.

Q8TEW6

NCBI Accession No.

NP_060580

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

39.4 kDa (349aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Recombinant human DOK4 protein

Catalog Number: ATGP2595

Amino acid Sequence

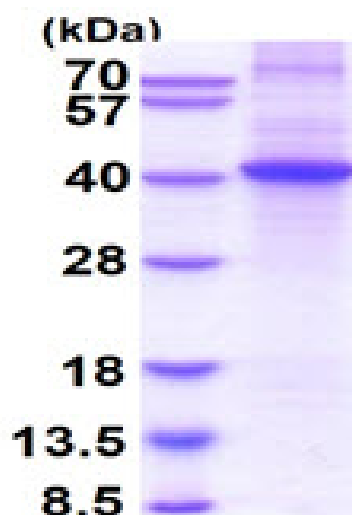
MGSSHHHHHH SSGLVPRGSH MGSMATNFSD IVKQGYVKMK SRKLGYYRRC WLVFRKSSSK GPQRLEKYPD EKSVCRLRGCP
KVTEISNVKC VTRLPKETKR QAVAIIFTDD SARTFTCDSE LEAEWYKTL SVECLGSRLN DISLGEPDLL APGVQCEQTD
RFNVFLLPCP NLDVYGECKL QITHENIYLW DIHNPRVKLV SWPLCSLRRY GRDATRFTFE AGRMCDAGEG LYTFQTQEGE
QIYQRVHSAT LAIAEQHKRV LLEMEKNVRL LNKGTEHYSY PCTPTTMLPR SAYWHHITGS QNIAEASSYA GEGYGAAQAS
SETDLLNRFI LLKPKPSQGD SSEAKTPSQ

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)