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.

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Amino acid Sequence

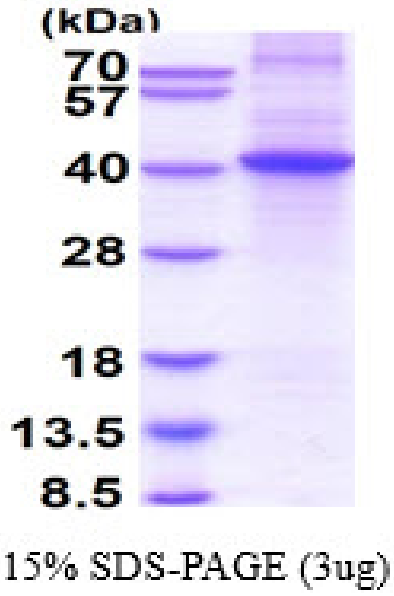
MGSSHHHHHH SSGLVPRGSH MGSMATNFSD IVKQGYVKMK SRKLGIYRRC WLVFRKSSSK GPQRLEKYPD EKSVCLRGCP KVTEISNVKC VTRLPKETKR QAVAIIFTDD SARTFTCDSE LEAEEWYKTL SVECLGSRLN DISLGEPDLL APGVQCEQTD RFNVFLLPCP NLDVYGECKL QITHENIYLW DIHNPRVKLV SWPLCSLRRY GRDATRFTFE AGRMCDAGEG LYTFQTQEGE QIYQRVHSAT LAIAEQHKRV LLEMEKNVRL LNKGTEHYSY 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



15% SDS-PAGE (3ug)

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