

Recombinant Human DOK2, His-tagged

Cat. No. DOK2-28083TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 21-133 of Human DOK2 with a N terminal His tag; Predicted MWt 13 kDa:
Species	Human
Source	E.coli
ProteinLength	21-133 a.a.
Description	The protein encoded by this gene is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from chronic myelogenous leukemia (CML) patients in the chronic phase. It may be a critical substrate for p210(bcr/abl), a chimeric protein whose presence is associated with CML. This encoded protein binds p120 (RasGAP) from CML cells.
Conjugation	HIS
Tissue specificity	Highly expressed in peripheral blood leukocytes, lymph nodes and spleen. Lower expression in thymus, bone marrow and fetal liver.
Form	Lyophilised:Reconstitution with 76 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KKWRRFGASLYGGSDCALARLELQEGPEKPRRCEAARKVI RLSDCLRVAEAGGEA SSPRDTSAFFLETKERLYLLAAP AAERGDWVQAICLLAFPGQRKELSGPEGKQSRP CM
Sequence Similarities	Belongs to the DOK family. Type A subfamily.Contains 1 IRS-type PTB domain.Contains 1 PH domain.

GENE INFORMATION

Gene Name	DOK2 docking protein 2, 56kDa [Homo sapiens]
Official Symbol	DOK2
Synonyms	DOK2; docking protein 2, 56kDa; docking protein 2, 56kD; docking protein 2; Dok 2; p56dok 2;
Gene ID	9046
mRNA Refseq	NM_003974
Protein Refseq	NP_003965
MIM	604997
Uniprot ID	O60496
Chromosome Location	8p21.3
Pathway	Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell

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surface interactions at the vascular wall, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-4 signaling Pathway, organism-specific biosystem;

Function

insulin receptor binding; receptor signaling protein activity; transmembrane receptor protein tyrosine kinase adaptor activity;

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