Recombinant Full Length Human DOK5 Protein, GST-tagged

Cat. No. DOK5-3943HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DOK5 full-length ORF (NP_060901.2, 1 a.a. - 306 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	306 amino acids
Description	The protein encoded by this gene is a member of the DOK family of membrane proteins, which are adapter proteins involved in signal transduction. The encoded protein interacts with phosphorylated receptor tyrosine kinases to mediate neurite outgrowth and activation of the MAP kinase pathway. Unlike other DOK family proteins, this protein does not interact with RASGAP. This protein is up-regulated in patients with systemic sclerosis and is associated with fibrosis induced by insulin-like growth factor binding protein 5. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Molecular Mass	61.9 kDa
AA Sequence	MASNFNDIVKQGYVRIRSRRLGIYQRCWLVFKKASSKGPKRLEKFSDERAAYFRCY HKVTELNNVKNVARLPKSTKKHAIGIYFNDDTSKTFACESDLEADEWCKVLQMECVG TRINDISLGEPDLLATGVEREQSERFNVYLMPSPNLDVHGECALQITYEYICLWDVQN PRVKLISWPLSALRRYGRDTTWFTFEAGRMCETGEGLFIFQTRDGEAIYQKVHSAAL AIAEQHERLLQSVKNSMLQMKMSERAASLSTMVPLPRSAYWQHITRQHSTGQLYRL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	QDVSSPLKLHRTETFPAYRSEH
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DOK5 docking protein 5 [Homo sapiens]
Official Symbol	DOK5
Synonyms	DOK5; docking protein 5; C20orf180, chromosome 20 open reading frame 180; dJ805C22.1; IRS6; IRS-6; insulin receptor substrate 6; downstream of tyrosine kinase 5; C20orf180; MGC16926;
Gene ID	55816
mRNA Refseq	NM_018431
Protein Refseq	NP_060901
MIM	608334

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UniProt ID	Q9P104

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