

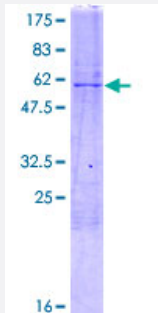
Full-Length

DOK5 (Human) Recombinant Protein (P01)

Catalog # H00055816-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DOK5 full-length ORF (NP_060901.2, 1 a.a. - 306 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASNFNDIVKQGYVRIRSRRLGIYQRCWLVFKKASSKGPKRLEKFSDERAAYFRCYHKVTELNNV
KNVARLPKSTKKHAIGIYFNDDTSKTFACESDLEADEWCKVLQMECVGTRINDISLGEPDLLATGV
EREQSERFNVYLMPSNLDVHGECALQITYEYICLWDVQNPRVKLISWPLSALRRYGRDTTWTF
EAGRMCETGEGLFIFQTRDGEAIYQKVHSAALAEQHERLLQSVKNSMLQMKMSERAASLSTMV
PLPRSAYWQHITRQHSTGQLYRLQDVSSPLKLHRTETFPAYRSEH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.9

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DOK5

Entrez GeneID[55816](#)**GeneBank Accession#**[NM_018431.3](#)**Protein Accession#**[NP_060901.2](#)**Gene Name**

DOK5

Gene Alias

C20orf180, MGC16926

Gene Description

docking protein 5

Omim ID[608334](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. In contrast to other DOK family proteins, this protein does not interact with RASGAP. [provided by RefSeq]

Other Designations

OTTHUMP00000031322|downstream of tyrosine kinase 5

Disease

- [Bipolar Disorder](#)
- [Diabetes Mellitus](#)
- [Dominance](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Pattern Recognition](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)