

## Recombinant Human DOK5 Protein (1-198 aa), His-SUMO-tagged

**Cat. No.** DOK5-460H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Human DOK5 Protein (1-198 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-198 aa                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assbly of multimolecular signaling complexes. DOK5 functions in RET-mediated neurite outgrowth and plays a positive role in activation of the MAP kinase pathway. Putative link with downstream effectors of RET in neuronal differentiation. |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 38.8 kDa                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MECVGTRINDISLGEPDLLATGVEREQSERFNVYLMPSNLDVHGEALQITYEYICL<br>WDVQNPRVKLISWPLSALRRYGRDTTWFTFEAGRM CETGEGLFIFQTRDGEAIYQK<br>VHSAALIAEQHERLLQSVKNSMLQMKMSERAASLSTMVPLPR SAYWQHITRQHST<br>GQLYRLQDVSSPLKLHRTETFPAYRSEH                                                                                                                                           |

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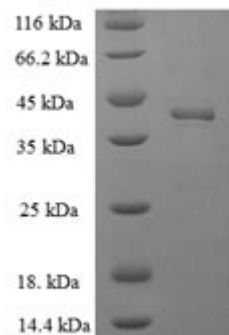
 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>    | A hardcopy of COA with concentration instruction is sent along with the products.                                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | DOK5 docking protein 5 [ Homo sapiens ]                                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b>  | DOK5                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | DOK5; docking protein 5; dJ805C22.1; IRS6; IRS-6; C20orf180; MGC16926;                                                                                                                                                                                                                                              |
| <b>Gene ID</b>          | 55816                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_018431                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_060901                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 608334                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | Q9P104                                                                                                                                                                                                                                                                                                              |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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