

Recombinant Mouse DOK2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51186

Size: 10ug, 100ug

Protein Name: Docking protein 2 (Dok-related protein) (Dok-R) (Downstream of tyrosine kinase 2) (IL-four receptor-interacting protein) (FRIP) (p56(dok-2))

Synonym: Dok2, Frip

UniProt ID: O70469

UniProt Link: www.uniprot.org/uniprotkb/O70469/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 412 AA

Molecular Weight: 46 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MVRMEEPAVKQGFLHLQQQQTFGKKWRRFAAVLYGESGCALARLELQDVPEKTRRGEATRKVVRL
SDCLRVAEVGSEASSPRDTSFILETKERLYLLAAPSAERSDWIQAICLLAFPGQRKGSPGLEEKSGS
PCMEENELYSSSTTGLCKEYMTIRPTEASERCRLRGSYTLRTGVSALELWGGPEPGTQLYDWPYR
FLRRFGRDKATFSFEAGRRCLSGEGNFEFETR HGNEIFQALEKVIQVKNATPSGPPSLPATGPMMP
TVLPRPESPYSRPHDSLPSPPGTLVPGMRPGAPEGEYAVPFDTVAHSLRKSFRGLLTGPPPHLPD
PLYDSIQEDPGAPLPDHIYDEPEGVAALSLYDRTQRPSGETWREQATADGGPSSLQQDSSVPDWP
QATEYDNVILKKGPK

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Docking protein 2 (Dok-related protein) (Dok-R) (Downstream of tyrosine kinase 2) (IL-four receptor-interacting protein) (FRIP) (p56(dok-2)) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK2 may modulate the cellular proliferation induced by IL-4, as well as IL-2 and IL-3. May be involved in modulating Bcr-Abl signaling. Attenuates EGF-stimulated MAP kinase activation.

Subcellular Localization: N/A

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.