

Recombinant Human DOK1 Protein (1-481 aa), His-SUMO-tagged

Cat. No. DOK1-1110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DOK1 Protein (1-481 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-481 aa
Description	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assbly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	68.4 kDa
AA Sequence	MDGAVMEGPLFLQSQRFGTKRWRKTWAVLYPASPHGVARLEFFDHKGSSSGGGR GSSRRLDCKVIRLAECVSVAPVTVETPPEPGATAFRLDTAQRSHLLAADAPSSAAWV QTLCRNAFPKGSWTLAPTDNPPKLSALEMLENSLYSPTWEGSQFWVTVQRTEAAE RCGLHGSYVLRVEAERLTLLTVGAQSQILEPLLSWPYTLRRYGRDKVMFSFEAGR RCPSPGPTFTFQTAQGNDIFQAVETAHRQKAQKGKAGQGHDVLRADSHEGEVAEG

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KLPSPPGPQELLDSPPALYAEPLDSLRIAPCPSQDSLYSDPLDSTSAQAGEGVQRKK
 PLYWDLYEHAQQQLLKAKLTDPKEDPIYDEPEGLAPVPPQGLYDLPREPKDAWWC
 QARVKEEGYELPYNPATDDYAVPPPRSTKPLLAPKPQGPAFPEPGTATGSGIKSHN
 SALYSQVQKSGASGSWDCGLSRVGTDKTGVKSEGST

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name DOK1 docking protein 1, 62kDa (downstream of tyrosine kinase 1) [Homo sapiens]

Official Symbol DOK1

Synonyms DOK1; docking protein 1; p62dok; pp62; p62(dok); P62DOK; MGC117395; MGC138860;

Gene ID 1796

mRNA Refseq NM_001197260

Protein Refseq NP_001184189

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MIM 602919

UniProt ID Q99704

116 kDa
66.2 kDa
45 kDa
35 kDa
25 kDa
18 kDa
14.4 kDa



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

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