

Recombinant Human PIK3R5 Protein (1-494 aa), His-SUMO-tagged

Cat. No. PIK3R5-1084H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIK3R5 Protein (1-494 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: Full Length of Isoform 2.
Species	Human
Source	E.coli
ProteinLength	1-494 aa
Description	Regulatory subunit of the PI3K gamma complex. Required for recruitment of the catalytic subunit to the plasma mbrane via interaction with beta-gamma G protein dimers. Required for G protein-mediated activation of PIK3CG.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	70.9 kDa
AA Sequence	MDSGYVEDSEESSSEWPWRRGSQERRGHRPPGQKFIRIYKLFKSTSQLVLRDRSR SLEGSSDTALPLRRAGSLCSPLEPVSPPSRAQRSRSLPQPKLGTQLPSWLLAPAS RPQRRRPFLSGDEDPKASTLRVVVFGSDRISGKVARAYSNLRRLENNRPLLTRFFKL QFFYVPVKRSHGTSPGACPPRSQTSPPTDSPRHASPGELGTTPEESTNDISHY LGMLDPWYERNVLGLMHLPEVLCQQSLKAEQALEGSPQLPILADMMLLYCRFA ARPVLLQVYQTELTFITGEKTTEIFIHSLELGHSAATRAIKASGPGSKRLGIDGDREAV

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PLTLQIIYSKGAISGRSRWSNLEKVCTSVNLNKACRKQEELDSSMEALTLNLTEVVKR
 QNSKSKKGFNQISTSQIKVDKVIIGSNPCFAVCLDQDERKILQSVVRCEVSPCYKP
 EKSDLSSPPQTPDLPAQAAPDLCSLLCLPIMTFSGALP

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 [PIK3R5 phosphoinositide-3-kinase, regulatory subunit 5 \[Homo sapiens \]](#)

Official Symbol [PIK3R5](#)

Synonyms PIK3R5; p101; P101 PI3K; FOAP-2; P101-PI3K; F730038I15Rik; FLJ26116;

Gene ID [23533](#)

mRNA Refseq [NM_001142633](#)

Protein Refseq [NP_001136105](#)

MIM [611317](#)

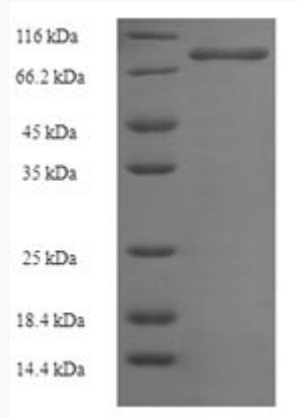
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UniProt ID

Q8WYR1



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

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