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	MDSGYVEDSEESSSEWPWRRGSQERRGHRRPGQKFIRIYKLFKSTSQLVLRRDSR SLEGSSDTALPLRRAGSLCSPLDEPVSPPSRAQRSRSLPQPKLGTQLPSWLLAPAS RPQRRRPFLSGDEDPKASTLRVVVFGSDRISGKVARAYSNLRRLENNRPLLTRFFKL QFFYVPVKRSHGTSPGACPPPRSQTPSPPTDSPRHASPGELGTTPWEESTNDISHY LGMLDPWYERNVLGLMHLPPEVLCQQSLKAEAQALEGSPTQLPILADMLLYYCRFA ARPVLLQVYQTELTFITGEKTTEIFIHSLELGHSAATRAIKASGPGSKRLGIDGDREAV

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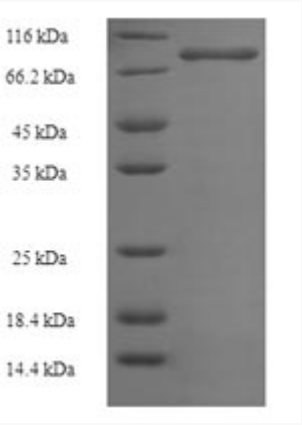
	PLTLQIIYSKGAISGRSRWSNLEKVCTSVNLNKACRKQEELDSSMEALTLNLTEVVKR QNSKSKKGFNQISTSQIKVDKVQIIGSNSCPFAVCLDQDERKILQSVVRCEVSPCYKP EKSDLSSPPQTPPDLPAQAAPDLCSLLCLPIMTFSGALP
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to 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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