

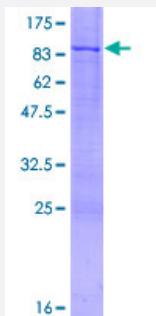
Full-Length

PIK3R5 (Human) Recombinant Protein (P01)

Catalog # H00023533-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PIK3R5 full-length ORF (AAH28212.1, 1 a.a. - 494 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDSGYVEDSEESSSEWPWRRGSQERRGHRRPGQKFIRMYKLFKSTS QLVLRDRSRSLEGSSDTA
LPLRRAGSLCSPLDEPVSPPSRAQSRSLPQPKLGTQLPSWLLAPASRPQRRRPFLSGDEDPK
ASTLRVVVFGSDRISGKVARAYSNLRRLENNRPLL TRFFKLQFFYVPVKRSHGTSPGACPPRSQ
TPSPPTDSPRHASPGELGTTTWEESTNDISHYLGMLDPWYERNVLGLMHLPPPEVLCQQSLKAEA
QALEGSPTQLPILADMLLYCRFAARPVLLQVYQTELTFTGEKTEIFIHSLELGHSAATRAIKASGP
GSKRLGIDGDREAVPLTLQIYSKGAISGRSRWSNLEKVCTSVNLNKACRKQEELDSSMEALTLNL
TEVVKRQNSKSKKGFNQISTSIKVDKVQIIGSNSCPFAVCLDQDERKILQSVVRCEVSPCYKPEK
SDLSSPPQTPPDLPAAAPDLCSLLCLPIMTFSGALP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PIK3R5

Entrez GeneID[23533](#)**GeneBank Accession#**[BC028212.1](#)**Protein Accession#**[AAH28212.1](#)**Gene Name**

PIK3R5

Gene Alias

F730038I15Rik, FOAP-2, P101-PI3K, p101

Gene Description

phosphoinositide-3-kinase, regulatory subunit 5

Omim ID[611317](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Receptor-regulated class I phosphoinositide 3-kinases (PI3Ks) phosphorylate the membrane lipid phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂) to PtdIns(3,4,5)P₃, which in turn recruits and activates cytosolic effectors involved in proliferation, survival, or chemotaxis. PIK3R5 is a PI3K regulatory subunit (Brock et al., 2003 [PubMed 12507995]).[supplied by OMIM]

Other Designations

phosphoinositide-3-kinase, regulatory subunit 5, p101|phosphoinositide-3-kinase, regulatory subunit, polypeptide p101

Pathway

- [Acute myeloid leukemia](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Glioma](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Phosphatidylinositol signaling system](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)

- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [VEGF signaling pathway](#)

Disease

- [HIV Infections](#)
- [Tobacco Use Disorder](#)