

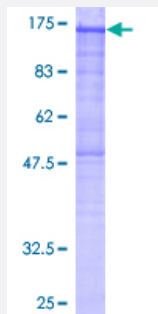
Full-Length

PHKA2 (Human) Recombinant Protein (P01)

Catalog # H00005256-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PHKA2 full-length ORF (AAH14036, 1 a.a. - 1235 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRSRSNSGVRLDGYARLVQQTILCYQNPVTGLLSASHEQKDAWVRDNIYSILAVWGLGMAYRKNA
DRDEKAKAYELEQN VVKLMRGLLQCMRQVAKVEKFKHTQSTKDSLHAKYNTATCGTVVGDD
QWGH LQVDATSLFLLFLAQMTASGLRIIFTLDEVAFIQNLVFYIEAAYKVADYGMWERGDKTNQGIP
ELNASSVGMAKAALEAIDELDLFGAHGGRKSVIHVLPDEVEHCQSILFSMLPRASTSKEIDAGLLSI
ISFPFAVEDVNLVNVTKNEISKLGQRYGCCRFRLRDGYKTPREDPNRLHYDPAELKLFENIECEW
PVFWTYFIIDGVFSGDAVQVQEYREALEGILIRGKNGIRLVPELYAVPPNKVDEEYKNPHTVDRVPM
GKVPHLWGQSLYLSSLLAEGFLAAGEIDPLNRRFSTSVKPDVVVQVTVLAENNHKDLLRKHGYN
VQSIADIHPQVQPGRILSHYAKLGRNKNMNLSGRPYRHIGVLGTSKLYVRNQIFTFPQFTDEHHFY
LALDNEMVEMRLRIELAYLCTCWRMTGRPTLTFPISRMTLTNDGSDIHS AVLSTIRKLEDGYFGGAR
VKLGNLSEFLTTSFYTYLTFLDPCDEKLF DNASEGTFSPDSDSDLVGYLEDTCNQESQDELDHYI
NHLLQSTSLRSYLPLCKNTEDRHVFS AIHSTRDILSVMAKAKGLEVPFVPM TPTKVLSAHRKSL
NLVDSPQPLLEKVPESDFQWPRDDHSDVDCEKLVEQLKDCSNLQDQADILYLYVIKGPSWDTNL
SGQHGVTVQNLLGELYGKAGLNQEWGLIRYISGLLRKKVEVLAEACTDLLSHQKQLTVGLPPEPR
EKISAPLPPEELTKLIYEASGQDISIAVL TQENVYLAMYVRAQPSLFVEMLRRLRIGLIQVMATELARS
LNCSGEEASESLMNLSPFDMKNLLHHILSGKEFGVERSVRPIHSSTSSPTISIHEVGHTGVTKTERS
GINRLRSEM KQMTRRFSADEQFFSVGQAASSSAHSSKSARSSTPSSPTGTSSSDSGGHHIGWG
ERQGQWLRRRRLDGAINRVPVGFYQRVWKILQKCHGLSIDGYVLPSSTTREMPHEIKFAVHVES
VLNRVPQPEYRQLLVEAIMVLTLLSDTEMTSIGGIIHVDQVQMASQLFLQDQVSGAMDTLEKDQA
TGICHFFYDSAPSGAYGTMTYLTRAVASYLQELLPNSGCQMQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)	161.59
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 — PHKA2

Entrez GeneID	5256
GeneBank Accession#	BC014036
Protein Accession#	AAH14036
Gene Name	PHKA2
Gene Alias	GSD9A, MGC133071, PHK, PYK, PYKL, XLG, XLG2
Gene Description	phosphorylase kinase, alpha 2 (liver)
Omim ID	306000
Gene Ontology	Hyperlink
Gene Summary	O

Other Designations

OTTHUMP00000023007|Phosphorylase kinase deficiency, liver (glycogen storage disease|dJ499B10.2 (phosphorylase kinase, alpha 2 (liver) (PYK))|phosphorylase kinase alpha-subunit|phosphorylase kinase, alpha 2 (liver), glycogen storage disease IX

Pathway

- [Calcium signaling pathway](#)
- [Insulin signaling pathway](#)