

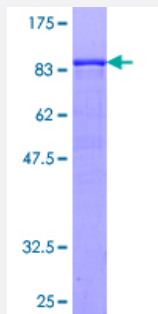
Full-Length

PRKCSH (Human) Recombinant Protein (P02)

Catalog # H00005589-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PRKCSH full-length ORF (AAH13586.1, 1 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAEVTREGFRLKKILIEDWKKAREEKQKKLIELQAGKKSLEDQVEMLRTVKEEAKEPEREAKEQH
QKLWEEQLAAAKAQEQELAADAFKELDDDDMDGTVSVTELQTHPELDTDGDGALSEAEAQALL
SGDTQTDATSFYDRVWAAIRDKYRSEALPTDLPTSPAPDLTEPKKEQPPVPSSPTEEEEEEEEEE
EEEEEEEEEEEDSEEAPPPLSPPQPASPAEEDKMPPYDEQTQAFIDAAQEARNKFEEAERSLK
DMEESIRNLEQEISFDFGPNGEFAYLYSQCYELTTNEYVYRLCPFKLVSQKPKLGGSPSLGTWG
SWIGPDHDKFSAMKYEQGTGCWQGNRSTTVRLLCGKETMVTSTTEPSRCEYLMELMTPAACP
EPPPEAPTEDDHDEL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.4

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 — PRKCSH

Entrez GeneID [5589](#)**GeneBank Accession#** [BC013586.1](#)**Protein Accession#** [AAH13586.1](#)**Gene Name** PRKCSH**Gene Alias** AGE-R2, G19P1, PCLD, PLD1**Gene Description** protein kinase C substrate 80K-H**Omim ID** [174050](#) [177060](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes the beta-subunit of glucosidase II, an N-linked glycan-processing enzyme in the endoplasmic reticulum (ER). This protein is an acidic phospho-protein known to be a substrate for protein kinase C. Mutations in this gene have been associated with the autosomal dominant polycystic liver disease (PCLD). Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations AGE-binding receptor 2|glucosidase II, beta subunit|hepatocystin|protein kinase C substrate, 80 KDa protein

Publication Reference

- [PRKCSH contributes to tumorigenesis by selective boosting of IRE1 signaling pathway.](#)

Shin GC, Moon SU, Kang HS, Choi HS, Han HD, Kim KH.

Nature Communications 2019 Jul; 10(1):3185.

Application: PI, WB-Re, Recombinant protein

Disease

- [Cysts](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Liver Diseases](#)