

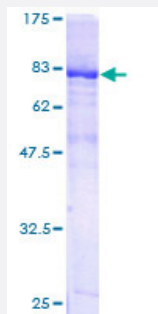
Full-Length

PDZK2 (Human) Recombinant Protein (P01)

Catalog # H00079849-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PDZK2 full-length ORF (AAH29042, 1 a.a. - 491 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEKAADLQDTASLTLKFKFNPKLGIDNPVLSLAEDHDPYDPWSLERPRFCLLSKEEGKSFGFHL
QQELGRAGHVVCRVDPGTSARQQLQEGDRILAVNNDVVEHEDYAVVVRRIRASSPRVLLTVLA
RHAHDVARAQLGEDAHLCPGLGVRPRLCHIVKDEGGFGFSVTHGNQGPFWLVLSTGGAAER
AGVPPGARLLEVNLWQSGQQVTLLVAGPEVEEQCRQLGLPLAAPLAEGWALPTKPRCLHLEK
GPQGFGLLREEKGLDGRPGQFLWEVDPGLPAKKAGMQAGDRLVAVAGESVEGLGHEETVSRI
QQQGSCVSLTVVDPEADRFMSMVRLSPLLFLENTEAPASPGSSSASLVETEDPSLEDTSVPSV
PLGSRQCFLYPGPGGSYGFRSLCVASGPRLFISQVTPGSSAARAGLQVGDVILEVNGYPVGGQN
DLERLQQLPEAEPPLCLKLAARSLRGLEAWIPPGAEDWALASDLL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.53

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 — PDZD3

Entrez GeneID[79849](#)**GeneBank Accession#**[BC029042](#)**Protein Accession#**[AAH29042](#)**Gene Name**

PDZD3

Gene Alias

FLJ22756, IKEPP, PDZK2

Gene Description

PDZ domain containing 3

Omim ID[607146](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Guanylyl cyclase C (GCC, or GUCY2C; MIM 601330) produces cGMP following the binding of either endogenous ligands or heat-stable enterotoxins secreted by E. coli and other enteric bacteria. Activation of GCC initiates a signaling cascade that leads to phosphorylation of the cystic fibrosis transmembrane conductance regulator (CFTR; MIM 602421), followed by a net efflux of ions and water into the intestinal lumen. IKEPP is a regulatory protein that associates with GCC and regulates the amount of cGMP produced following receptor stimulation (Scott et al., 2002 [PubMed 11950846]).[supplied by OMIM]

Other Designations

PDZ domain containing 2|intestinal and kidney enriched PDZ protein|sodium-phosphate cotransporter 1a C-terminal-associated protein 2