

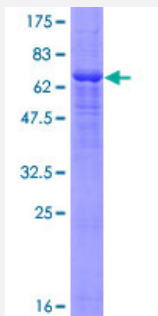
Full-Length

PANX1 (Human) Recombinant Protein (P01)

Catalog # H00024145-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PANX1 full-length ORF (AAH16931.1, 1 a.a. - 426 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAIAHLATEYVFSDFLKEPTEPKFKGLRLELAVDKMVTCAVGLPLLLISLAFAQEISIGTQISCFSP
SSFSWRQAAFVDSYCWAAVQQKNSLQSEGNLPLWLHKFFPYILLFALLYLPLFWRFAAAPHI
CSDLKFIMEELDKVYNRAIKAASARDLDMRDGACSVPGVTENLGQSLWEVSESHFKYPVEQYL
KTKKNSNNLIKYISCRLLTLIIILLACIYLGYYFSLSSLSDEFVCSIKSGILRNDSTVPDQFQCKLIAGIF
QLLSVINLVVYVLLAPVVVYTLFVPFRQKTDVLKVYEILPTFDVLHFKSEGYNDLSLYNLFLEENISE
VKSYKCLKVLENIKSSGQGIDPMLLLTNLGMIMD VVDGKTPMSAEMREEQGNQTAELQGMNIDS
ETKANNGEKNARQRLLDSSC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.5

Interspecies Antigen Sequence

Mouse (86); Rat (88)

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 — PANX1

Entrez GeneID	24145
GeneBank Accession#	BC016931.1
Protein Accession#	AAH16931.1
Gene Name	PANX1
Gene Alias	MGC21309, MRS1, PX1, UNQ2529
Gene Description	pannexin 1
Omim ID	608420
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the innexin family. Innexin family members are the structural components of gap junctions. This protein and pannexin 2 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in <i>Xenopus</i> oocytes suggest that this protein alone and in combination with pannexin 2 may form cell type-specific gap junctions with distinct properties. [provided by RefSeq]
Other Designations	innexin

Publication Reference

- [Role of pannexin 1 in Clostridium perfringens beta-toxin-caused cell death.](#)

Seike S, Takehara M, Kobayashi K, Nagahama M.

Biochimica et Biophysica Acta 2016 Oct; 1858(12):3150.

Application: Dot, Human, Toxin

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)