

## Recombinant Human PANX1 protein, His & T7-tagged

**Cat. No.** PANX1-1348H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PANX1 aa. (Cys228~Asn411 (Accession # Q96RD7) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Cys228~Asn411                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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 Xenopus oocytes suggest that this protein alone and in combination with pannexin 2 may form cell type-specific gap junctions with distinct properties. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 24.5kDa                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Characteristic</b>   | The isoelectric point is 5.7.                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                          |
| <b>Storage buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                                                                                                                                                                                                                                |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                           |

## GENE INFORMATION

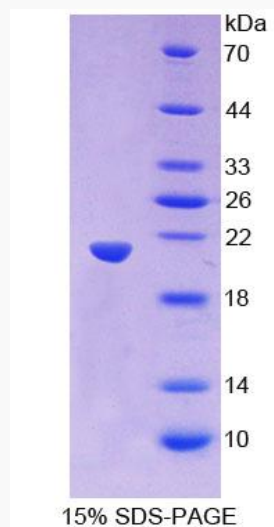
|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Gene Name</b>       | PANX1 pannexin 1 [ Homo sapiens (human) ]                  |
| <b>Official Symbol</b> | PANX1                                                      |
| <b>Synonyms</b>        | PANX1; pannexin 1; PX1; MRS1; UNQ2529; pannexin-1; innexin |
| <b>Gene ID</b>         | 24145                                                      |
| <b>mRNA Refseq</b>     | NM_015368.3                                                |
| <b>Protein Refseq</b>  | NP_056183.2                                                |
| <b>UniProt ID</b>      | Q96RD7                                                     |

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SDS-PAGE



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