

Product datasheet for PH313641

Pannexin 2 (PANX2) (NM_052839) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PANX2 MS Standard C13 and N15-labeled recombinant protein (NP_443071)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213641
Predicted MW:	74.3 kDa
Protein Sequence:	>RC213641 representing NM_052839 Red=Cloning site Green=Tags(s)

MHLLLEQSADMATALLAGEKLRRELILPGAQDDKAGALAALLLQLKLELPFDRVVTIGTVLVPILLVTLVF
TKNFAEPIYCYTPHNFTRDQALYARGYCWTELRDALPGVDASLWPSLFEHKFLPYALLAFAAIMYVPAL
GWEFLASTRLTSELNLLQEIDNCYHRAAEGRAPKIEKQIQSKGPGITEREKREIENAEKEKSPEQNLF
EKYLERRGRSNFLAKLYLARHVLILLLSAVPISYLCTYYATQKQNEFTCALGASPDGAAGAGPAVRVSK
LPSVQLQRRIAGVDIVLLCVMNLIILVNLIHLFIFRKSNIIFDKLHKVGIKTRRQWRRSQFCINILAMF
CNENRDHIKSLNRLDFITNESDLMYDNNVVRQLLAALQSNHDATPTVRDSGVQTVDPSPANPAEPDGAEP
PVVKRPRKMKWIPTSNPLPQPFKEPLAIMRVENSKAEKPKPARRKTATDTLIAPLLDRSAHHYKGGGD
PGPGPAPAPAPPAPDKKHARHFLDVHPYILGTTKAKAEAVPAALPASRSQEGGFLSQAEDCGLGLAPA
PIKDAPLPEKEIPYPTEPARAGLPSGGPFHVRSPPAAPAVAPLTPASLGKAEPLTILSRNATHPLLHINT
LYAREEEDGGPRLPQDVGLIAIPAPQQILIAITFDEPRTVVSTVEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_443071
RefSeq Size:	3069



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RefSeq ORF: 2031

Synonyms: hPANX2; PX2

Locus ID: 56666

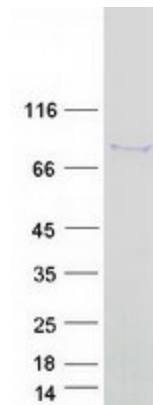
UniProt ID: [Q96RD6](#), [B3KTT7](#), [Q495U3](#)

Cytogenetics: 22q13.33

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 1 are abundantly expressed in central nervous system (CNS) and are coexpressed in various neuronal populations. Studies in *Xenopus* oocytes suggest that this protein alone and in combination with pannexin 1 may form cell type-specific gap junctions with distinct properties. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified PANX2 protein (Cat# [TP313641]). The protein was produced from HEK293T cells transfected with PANX2 cDNA clone (Cat# [RC213641]) using MegaTran 2.0 (Cat# [TT210002]).