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Datasheet for ABIN7319515 NPX1 Protein (His tag)



Overview	
Quantity:	50 µg
Target:	NPX1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPX1 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human NPTX1 Protein (His Tag)
Sequence:	GIn23-Asn432
Characteristics:	Recombinant Human NPTX1 is produced by our Mammalian expression system and the target gene encoding Gln23-Asn432 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.
Target Details	

Target:	NPX1
Alternative Name:	NPTX1 (NPX1 Products)
Background:	Background: Neuronal Pentraxin (NPTX1, NP1) is a secreted glycoprotein within the Pentraxin family. NPTX1 is co-expressed and forms beteromultimers with the related secreted protein
	NPTX2/NARP, NPTXR (Neuronal Pentraxin Receptor) at excitatory synapses. Mature human

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Target Details

	NPTX1 shares 97 % aa sequence identity with mouse, and rat NPTX1. It is produced by hippocampal, cerebral and cerebellar neurons, retinal ganglia and the inner nuclear layer of the retina. It is enriched on presynaptic axonal membranes where it forms complexes with NPTXR. It may be involved in mediating uptake of synaptic material during synapse remodeling or in mediating the synaptic clustering of AMPA glutamate receptors at a subset of excitatory synapses. Synonym: Neuronal pentraxin-1,NPTX1,NP1
Molecular Weight:	45.9 kDa
UniProt:	Q15818
Pathways:	Carbohydrate Homeostasis, Regulation of Cell Size, Signaling Events mediated by VEGFR1 and VEGFR2, Smooth Muscle Cell Migration, Platelet-derived growth Factor Receptor Signaling, VEGFR1 Specific Signals, SARS-CoV-2 Protein Interactome
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS,1 mM EDTA,PH7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

samples are stable at < -20° C for 3 months.