

Recombinant Human NPTX1 (C-6His)

Catalog #	EPT103
Expression Host	Human Cells
DESCRIPTION	Recombinant Human Neuronal Pentraxin-1 is
	produced by our Mammalian expression system and
	the target gene encoding Gln23-Asn432 is expressed
	with a 6His tag at the C-terminus.
Accession	Q15818
Synonyms	Neuronal pentraxin-1;NPTX1;NP1
Mol Mass	45.9 KDa
AP Mol Mass	50-55 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of PBS,
	1mM EDTA, pH 7.4.
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by
	vortex or pipetting.



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It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.

STORAGELyophilized protein should be stored at < -20 ° C,
though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C
for 2-7 days.

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

BACKGROUND Neuronal Pentraxin (NPTX1, NP1) is a secreted glycoprotein within the Pentraxin family. NPTX1 is co - expressed and forms heteromultimers with the related secreted protein, NPTX2/NARP, NPTXR (Neuronal Pentraxin Receptor) at excitatory synapses. Mature human NPTX1 shares 97% aa sequence identity with mouse, and rat NPTX1. It is produced by hippocampal, cerebral and cerebellar neurons, retinal



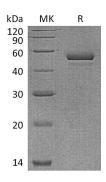
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ganglia and the inner nuclear layer of the retina. It is enriched on presynaptic axonal membranes where it forms complexes with NPTXR. It may be involved in mediating uptake of synaptic material during synapse remodeling or in mediating the synaptic clustering of AMPA glutamate receptors at a subset of excitatory synapses.



SDS-PAGE



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