

Recombinant Human NPTX1

Catalog No: CU54

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.
Source	Human Cells
Alternative name	Neuronal pentraxin-1;NPTX1;NP1
Accession No.	Q15818
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS,1mM EDTA,PH7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid Sequence	<p>QDFGPTRFICTSVPVDADMCAASVAAGGAEELRSSVLQLRETVLQQKETILSQKETIRELTAKLGRCES QSTLDPGAGEARAGGGRKQPGSGKNTMGDLSTPAAETLSQLGQTLQSLKTRLENLEQYSRLNSSSQ TNSLKDLLQSKIDELERQVLSRVNTLEEGKGGPRNDTEERVKIETALTSLHQRRISELEKGGKDNRPDGF QLTFPLRTNYMYAKVKKSLPEMYAFTVCMWLKSSATPGVGPFSYAVPGQANELLVLEWGNPMEILIN DKVAKLPFVINDGKWHHCVTWTRDGVWEAYQDGTQGGSGENLAPYHPIKPQGVVLVGGQEQDTLGG GFDATQAFVGEALAHFNIWDRKLTPEVYNLATCSTKALSGNVIWAESHIIEYGGATKWTFEACRQINH HHHHH</p> <p>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 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.</p>
Background	

SDS-Page

