

Product datasheet for **TP727789**

NPTX1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Neuronal Pentraxin-1/NPTX1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln23-Asn432
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, 1mM EDTA, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	4884
UniProt ID:	Q15818
Summary:	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.



[View online »](#)