



Recombinant Rat Neuronal pentraxin-1 (Nptx1)

Product Code	CSB-MP016029RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P47971
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	QDFGPTRF ICTSVPVDAD MCAASVAAGG AEELRSNVLQ LRETVLQQKE TILSQKETIR ELTTKLGRCE SQSTLDAGPG EARS GGGRKQ PGSGKNTMGD LSRTPASETL SQLGQTLQSL KTRLENLEQY SRLNSSSQTN SLKDLLQSKI DDLERQVLSR VNTLEEGKGG PKNDEERAK IESALTS LHQ RISELEKGGK DNRPGDKFQL TFPLRTNYMY AKVKKSLPEM YAFTVCMWLK SSAAPGVGTP FSYAVPGQAN ELVLI EWGNN PMEILINDKV AKLPFVINDG KWHHICVTWT TRDGVWEAYQ DGTQGGNGEN L APYHPIKPQ GVLVLGQE QD TLGGGFDATQ AFV GELAHFN IWDRKLT PGE VYNLATCSSK ALSGNVIAWA ESQIEIFGGA TKWTFEACRQ IN
Source	Mammalian cell
Target Names	Nptx1
Protein Names	Recommended name: Neuronal pentraxin-1 Short name= NP1 Alternative name(s): 47 kDa taipoxin-binding protein Neuronal pentraxin I Short name= NP-I
Expression Region	23-432
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	NPTX1 is a member of the neuronal pentraxin gene family. Neuronal pentraxin 1 is similar to the rat NP1 gene which encodes a binding protein for the snake venom toxin taipoxin. Human NPTX1 mRNA is exclusively localized to the nervous system.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.