

SYNPR/Synaptoporin Protein, Rat (Cell-Free, His)

Cat. No.:	HY-P702461
Synonyms:	Synaptoporin
Species:	Rat
Source:	E. coli Cell-free
Accession:	P22831 (M1-I265)
Gene ID:	66030
Molecular Weight:	35.2 kDa

PROPERTIES

AA Sequence

M C M V I F A P L F	A I F A F A T C G G	Y S G G L R L S V D	C V N K T E S N L S
I D I A F A Y P F R	L H Q V T F E V P T	C E G K E R Q K L A	L V G D S S S S A E
F F V T V A V F A F	L Y S L A A T V V Y	I F F Q N K Y R E N	N R G P L I D F I V
T V V F S F L W L V	G S S A W A K G L S	D V K V A T D P K E	V L L L M S A C K Q
P S N K C M A V H S	P V M S S L N T S V	V F G F L N F I L W	A G N I W F V F K E
T G W H S S G Q R Y	L S D P M E K H S S	S Y N Q G G Y N Q D	S Y G S S G G Y S Q
Q A S L G P T S D E	F G Q Q P S G P T S	F N N Q I	

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

SYNPR, also known as Synaptoporin, serves as an intrinsic membrane protein located in small synaptic vesicles and is identified as a probable vesicular channel protein.

Caution: Product has not been fully validated for medical applications. For research use only.

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