



# Recombinant Guinea pig Proenkephalin-B (PDYN)

<b>Product Code</b>	CSB-MP720139GU
<b>Abbreviation</b>	PDYN
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q60478
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Cavia porcellus (Guinea pig)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	YGGFLRK YPK
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PDYN
<b>Protein Names</b>	Recommended name: Proenkephalin-B Alternative name(s): Beta-neoendorphin-dynorphin Preprodynorphin Cleaved into the following 9 chains: 1. Alpha-neoendorphin 2. Beta-neoendorphin 3. Big dynorphin Short name= 4. Big Dyn 5
<b>Expression Region</b>	164-173
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Cytoplasmic domain
<b>Target Details</b>	This protein is a preproprotein that is proteolytically processed to form the secreted opioid peptides beta-neoendorphin, dynorphin, leu-enkephalin, rimorphin, and leumorphin. These peptides are ligands for the kappa-type of opioid receptor. Dynorphin is involved in modulating responses to several psychoactive substances, including cocaine.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.