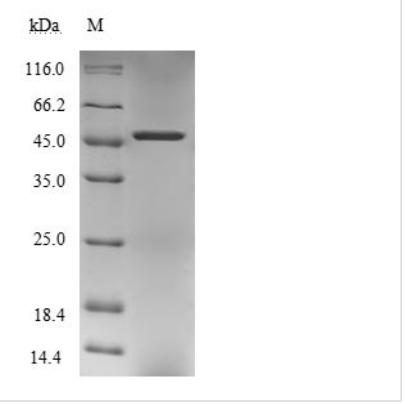
Recombinant Human Paraneoplastic antigen Ma1 (PNMA1)

Product Code	CSB-EP018266HUb9
Relevance	Antibodies against PNMA1 are present in sera from patients suffering of paraneoplastic neurological disorders.
Storage	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.
Uniprot No.	Q8ND90
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAMTLLEDWCRGMDVNSQRALLVWGIPVNCDEAEIEETLQAAMPQVSYRML GRMFWREENAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLE RLHLFLAREGWTVQDVARVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESI WYKRLTLFSGRDIPGPGEETFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRG PAADVIRILKSNNPAITTAECLKALEQVFGSVESSRDAQIKFLNTYQNPGEKLSA YVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANHSGAIRRQLWLTGAGEG PAPNLFQLLVQIREEEAKEEEEEAEATLLQLGLEGHF
Lead Time	3-7 business days
Research Area	others
Source	E.coli
Gene Names	PNMA1
Protein Names	37 kDa neuronal protein Neuron- and testis-specific protein 1
Expression Region	1-353aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-B2M-JD-tagged and C-terminal Myc-tagged
Mol. Weight	46.8 kDa
Protein Description	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The expression region of this recombinant Human PNMA1 covers amino acids 1-353. The expected molecular weight for the PNMA1 protein is calculated to be 46.8 kDa. The PNMA1 protein was expressed in e.coli. The PNMA1 coding gene included the N-terminal 10xHis-B2M-JD tag and C-terminal Myc tag, which simplifies the detection and purification processes of the recombinant PNMA1 protein in following stages of expression and purification.

Paraneoplastic antigen Ma1 (PNMA1) is a protein associated with paraneoplastic neurological disorders (PND), a group of rare conditions where the immune system mistakenly targets normal neural tissues in response to an underlying tumor, often affecting the nervous system. PNMA1 is expressed in the brain and is associated with onconeural antibodies found in patients with PND. Investigations into the molecular pathways involving PNMA1 contribute to the broader understanding of autoimmune reactions associated with cancer and may offer insights into novel treatment strategies for paraneoplastic neurological disorders.

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.