

## Rabies virus (RABV) (strain PM) Phosphoprotein (His)

### General Information

Synonyms: Protein P;Phosphoprotein;Protein M1

Protein Construction: 1-297 aa

Species: RABV

Expression Host: E. coli

Accession: P69480

Molecular Weight: 37.2 kDa (predicted)

MSKIFVNPSAIRAGLADLEMAEETVDLINRNIEDNQAHLQGEPIEVDNLPEDMGRLLDDGKSPNPGEMAKV  
GEGKYREDFQMDEGEDPSFLFQSYLENVGVQIVRQMRSGERFLKIWSQTVEEIIISYVAVNFPNPPGKSSDKS  
TQTTGRELKKEPTPSQRESQSSKARMAAQTAGPPALEWSATNEKDDLSVEAEIAHQIAESFSKKYKFPSR  
SSGILLYNFEQLKMNLDIVKEAKNVPVTRLAHDGSKLPLRCVLGWVALANSKKFQLLVESDKLSKIMQDDL  
NRYTSC

AA Sequence:

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Non catalytic polymerase cofactor and regulatory protein that plays a role in viral transcription and replication. Stabilizes the RNA polymerase L to the N-RNA template and binds the soluble protein N, preventing it from encapsidating non-genomic RNA. Also inhibits host IFN-alpha and IFN-beta signaling by binding and retaining

phosphorylated STAT1 in the cytoplasm or by inhibiting the DNA binding of STAT1 in the nucleus. Might be involved, through interaction with host dynein, in intracellular microtubule-dependent virus transport of incoming virus from the synapse toward the cell body.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481