



Recombinant Protein Technical Manual

Recombinant Human BPHL Protein (His Tag)

RPES3647

Product Data:

Product SKU: RPES3647

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: Q86WA6

Protein Information:

Molecular Mass: 30.7 kDa

AP Molecular Mass: 31 kDa

Tag: N-His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 50mM NaCl, 10% glycerol, pH 8.0

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: BPH-RP;MCNAA;VACVASE

Immunogen Information:

Sequence: Ser38-Gln291

Background:

BPHL is a member of the serine protease family. BPHL is expressed large quantities in liver and kidney and in minor quantities in heart, intestine and skeletal muscle. BPHL is a specific alpha-amino acid ester hydrolase that prefers small, hydrophobic, and aromatic side chains and does not have a stringent requirement for the leaving group other than preferring a primary alcohol. It catalyzes the hydrolytic activation of amino acid ester prodrugs of nucleoside analogs such as valacyclovir and valganciclovir. BPHL also activates valacyclovir to acyclovir. It may play a role in detoxification processes.