

## 32-2193: BPHL Recombinant Protein

**Alternative Name :** Biphenyl Hydrolase-Like (serine hydrolase), Bph-rp, Breast Epithelial Mucin-Associated Antigen, MCNAA, Valacyclovirase, VACVASE, Valacyclovir Hydrolase, MGC41865, MGC125930.

### Description

Source : Escherichia Coli. BPHL produced in E.Coli is a single, non-glycosylated polypeptide chain containing 275 amino acids (38-291a.a.) and having a molecular mass of 31.1kDa. BPHL is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. BPHL is a Serine hydrolase that is a part of the AB hydrolase superfamily which catalyzes the hydrolytic activation of amino acid ester prodrugs of nucleoside analogs such as valacyclovir and valganciclovir. BPHL is expressed large quantities in liver and kidney and in minor quantities in heart, intestine and skeletal muscle. BPHL takes part in detoxification processes and is a specific alpha-amino acid ester hydrolase which favors small, hydrophobic, and aromatic side chains and does not have a strict necessity for the leaving group except for favoring a primary alcohol.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The BPHL protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 50mM NaCl and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MSVTSKAVAV NGVQLHYQQT GEGDHAVLLL PGM LGSGETD  
FGPQLKNLNK KLFTVAWDP RGYGHSRPPD RDFPADFFER DAKDAVDLMK ALKFKKVSLG WSDGGITAL  
IAAAKYPYSY HKMVIWGANAYVTDEDSMIY EGIRDVSKWS ERTRKPLEAL YGYDYFARTC EKWVDGIRQF  
KHLPDGNICR HLLPRVQCPA LIVHGEKDPL VPRFHADFIH KHVKGSRLLH MPEGKHNLHL RFADEFNKLA  
EDFLQ

