

**BPHL, 38-291aa, Human, His tag, E.coli**

**Cat.NO.: TP01361**

3th Edition

**Synonyms:**Valacyclovir hydrolase, BPH-RP, MCNAA, VACVASE.

**Description:**BPHL is a Serine hydrolase which Belongs to the AB hydrolase superfamily. This family catalyzes the hydrolytic activation of amino acid ester prodrugs of nucleoside analogs such as valacyclovir and valganciclovir. This protein is expressed at high levels in liver and kidney and at lower levels in heart, intestine and skeletal muscle.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl

**Molecular Weight:**31.1kDa (275aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSVTSKAVAVNGVQLHYQQTGEGDHAVLLLPGMLGSGETDFGPQLKLNKLLFT  
VVAWDPRGYGHSRPPDRDFPADFFERDAKDAVDLMKALKFKKVSLLGWSDGGITALIAAAKYPYIHKMVIWGAN  
YVTDEDSMIYEGIRDVSKWSERTRKPLEALYGYDYFARTCEKWVDGIRQFKHLPDGNICRHLLPRVQCPALIVHGE  
KDPLVPRFHADFIHKHVKGSRLHLMPEGKHNLHLRFADFNKLAEDFLQ

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.