

Recombinant Human BPHL protein, His-tagged

Cat. No. BPHL-3450H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BPHL(38-291aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	38-291 a.a.
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. It plays a role in detoxification processes. 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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl
Molecular Mass	31.1kDa (275aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHH SSGLVPRGSH MRDFPADFFER DAKDAVDLMK ALKFKKVSL L GWSDGGITAL IAAKYPSYI HKMVIWGANAYVTDEDSMIY EGIRDVSKWS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



ERTRKPLEAL SVTSAKVAV NGVQLHYQQT GEGDHAVLLL PGMLGSGETD
 FGPQLKLNK KLFTVVAWDP RGYGHSRPPDYGYDYFARTC EKWVDGIRQF
 KHLPDGNICR HLLPRVQCPA LIVHGEKDPL VPRFHADFIH KHVKGSRLHL
 MPEGKHNLHL RFADEFNKLAEDFLQ

Purity >95% by SDS - PAGE

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

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name BPHL biphenyl hydrolase-like (serine hydrolase) [Homo sapiens]

Official Symbol BPHL

Synonyms BPHL; biphenyl hydrolase-like (serine hydrolase); MCNAA; valacyclovir hydrolase; Bph rp; breast epithelial mucin associated antigen; valacyclovirase; biphenyl hydrolase-like protein; biphenyl hydrolase-related protein; breast epithelial mucin-associated antigen; BPH-RP; VACVASE; MGC41865; MGC125930;

Gene ID 670

mRNA Refseq NM_004332

Protein Refseq NP_004323

MIM 603156

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA



UniProt ID	Q86WA6
Chromosome Location	6p25
Function	hydrolase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA