

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:

MGSSHHHHHHSSGLVPRGSHMSVTSKAVAVNGVQLHYQQTGEGDHAVLLLPGMLGSGETDFGPQLKLNLNKKLFT
VVAWDPRGYGHSRPPDRDFPADFFERDAKDAVDLMKALKFKKVSLLGWSDGGITALIAAAKYPYIHKMVIWGAN
YVTDEDSMIYEGIRDVSKWSERTRKPLEALYGYDYFARTCEKWVDGIRQFKHLPDGNICRHLLPRVQCPALIVHGE
KDPLVPRFHADFIHKHVKGSRLHLMPEGKHNLHLRFADEFNKLAEDFLQ

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.