

Datasheet for ABIN7317210 **BPHL Protein (His tag)**

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Overview

Quantity:	100 µg
Target:	BPHL
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BPHL protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human BPHL Protein (His Tag)
Sequence:	Ser38-Gln291
Characteristics:	A DNA sequence encoding the mature form of human BPHL (Q86WA6-1) (Ser38-Gln291) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	BPHL
Alternative Name:	BPHL (BPHL Products)
Background:	<p>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.</p> <p>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</p>

Target Details

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.

Synonym: BPH-RP,MCNAA,VACVASE

Molecular Weight: 30.7 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

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

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, 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.