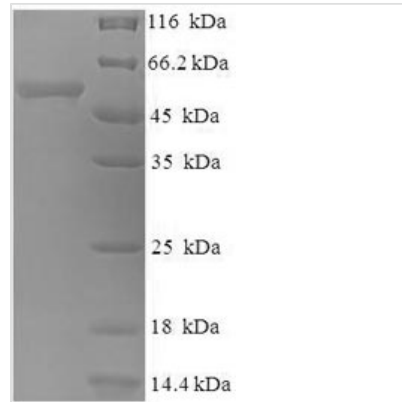




Recombinant Escherichia coli Hygromycin-B 4-O-kinase (hph)

Product Code	CSB-EP365448ENL
Relevance	The aminoglycoside phosphotransferases achieve inactivation of their antibiotic substrates by phosphorylation. Only phosphorylates hygromycin and closely related compounds such as dethyl analogs and destomycin.
Abbreviation	Recombinant E.coli hph protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P00557
Alias	APH(4)Hygromycin B phosphotransferaseHygromycin-B kinase
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MKKPELTATSVEKFLIEKFDSVSDLMQLSEGEESRAFSFDVGGRGYVLRVNSC ADGFYKDRYVYRHFASAALPIPEVLDIGEFSESLTYCISRRRAQGVTLQDLPETE LPAVLQPVAEAMDAIAAADLSQTSFGFPGFPQGIGQYTTWRDFICAIADPHVY HWQTVMDDTVSASVAQALDELMLWAEDCPEVRHLVHADFGSNNVLTDNTRI TAVIDWSEAMFGDSQYEVANIFFWRPWLACMEQQTRYFERRHPELAGSPRLR AYMLRIGLDQLYQSLVDGNFDDAAWAQGRCDIVRSGAGTVGRTQIARRSAA VWTDGCVLADSGNRRPSTRPRAKE
Research Area	Others
Source	E.coli
Target Names	hph
Protein Names	APH(4)Hygromycin B phosphotransferaseHygromycin-B kinase
Expression Region	1-341aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	54.0 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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