

Hygromycin-B 4-O-kinase Recombinant Protein | hph recombinant protein

Recombinant Escherichia coli Hygromycin-B 4-O-kinase

CATALOG # AAA115905	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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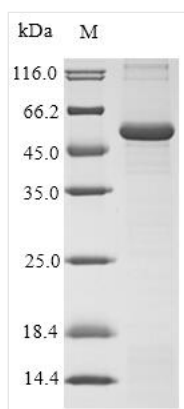
PRODUCT SYNONYMS

Hygromycin-B 4-O-kinase; Recombinant Escherichia coli Hygromycin-B 4-O-kinase; APH(4)Hygromycin B phosphotransferase; Hygromycin-B kinase; hph recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-341aa; Full Length Protein
Sequence	MKKPELTATS VEKFLIEKFD SVSDLMQLSE GEESRAFSFD VGGRGYVLRV NSCADGFYKD RYVYRHFASA ALPIPEVLDI GEFSESLTYC ISRRAQGVTL QDLPETELPA VLQPVAEAMD AIAAADLSQT SGFGPFGPQG IGQYTTWRDF ICAIADPHVY HWQTVMDDTV SASVAQALDE LMLWAEDCPE VRHLVHADFG SNNVLTDNDR ITAVIDWSEA MFGDSQYEVA NIFFWRPWLA CMEQQTRYFE RRHPELAGSP RLRAYMLRIG LDQLYQSLVD GNFDDAAWAQ GRCDIVRSR AGTVGRTQIA RRSAVWTDG CVEVLADSGN RRPSTRPRAK E
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for hph recombinant protein	The aminoglycoside phosphotransferases achieve inactivation of their antibiotic substrates by phosphorylation. Only phosphorylates hygromycin and closely related compounds such as dethyl analogs and destomycin.
References	Analysis of a bacterial hygromycin B resistance gene by transcriptional and translational fusions and by DNA sequencing.Kaster K.R., Burgett S.G., Rao R.N., Ingolia T.D.Nucleic Acids Res. 11:6895-6911(1983) Genetic and enzymatic basis of hygromycin B resistance in Escherichia coli.Rao R.N., Allen N.E., Hobbs J.N. Jr., Alborn W.E. Jr., Kirst H.A., Paschal J.W.Antimicrob. Agents Chemother. 24:689-695(1983)

NCBI AND UNIPROT INFORMATION

NCBI GI #	446665468
NCBI GeneID	13905269
NCBI Accession #	WP_000742814.1
NCBI GenBank Nucleotide #	WP_000742814.1
UniProt Accession #	P00557
Molecular Weight	40 kDa
NCBI Official Full Name	MULTISPECIES: aminoglycoside O-phosphotransferase APH(4)-Ia
NCBI Official Symbol	PWD4Incl1_10
NCBI Protein Information	confers hygromycin resistance
UniProt Protein Name	Hygromycin-B 4-O-kinase
UniProt Gene Name	hph
UniProt Entry Name	KHYB_ECOLX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hph-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115905>