

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

Recombinant Escherichia coli Hygromycin-B 4-O-kinase

CATALOG # AAA309798	HOST Yeast	REACTIVITY ECOLX
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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; KHYB recombinant protein

PRODUCT SPECIFICATIONS

Host	Yeast
Reactivity	ECOLX
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-based buffer50% glycerol
Sequence Positions	Full Length, 1-341aa
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 GNFDAAAWAQ GRCDIVRSR AGTVGRTQIA RRSAAVWTDG CVEVLADSGN RRPSTRPRAK E
Tag Info	N-terminal 6x His-tag
Preparation and 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. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for KHYB 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	446665468
NCBI Accession #	WP_000742814.1
NCBI GenBank Nucleotide #	WP_000742814.1
UniProt Accession #	P00557
Molecular Weight	40kD
NCBI Official Full Name	MULTISPECIES: aminoglycoside O-phosphotransferase APH(4)-Ia
UniProt Protein Name	Hygromycin-B 4-O-kinase
UniProt Gene Name	hph

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://www.aaabiotech.com/hph-recombinant-protein-yeast/309798>