
Product Data Sheet

Product Name: HYKK Human
 Cat. No.: GP22531
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Hydroxylysine kinase; AGPHD1; 5-hydroxy-L-lysine kinase; HYKK; Aminoglycoside phosphotransferase domain-containing protein 1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSSGNYQ QSEALSKPTF SEEQASALVE SVFGLKVSKV RPLPSYDDQN FHVYVSKTKD GPTEYVLKIS NTKASKNPDL IEVQNHIIMF LKAAGFPTAS VCHTKGDNTA SLVSVDSGSE IKSylvRLLT YLPGRPIAEL PVSPQLLYEI GKLAAKLDKT LQRFHHPKLS SLHRENFIWN LKNVPLLEKY LYALGQNRNR EIVEHVIHLF KEEVMTKLSH FRECIHGD NDHNILIESS KSASGNAEYQ VSGILDFGDM SYGYYVFEVA ITIMYMMIES KSPIQVGGHV LAGFESITPL TAVEKGALFL LVCSRFCQSL VMAAYSCQLY PENKDYLMVT AKTGWKHLQQ MFDMGQKAVE EIWFETAKSY ESGISM.		
Formulation	HYKK solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4), 40% glycerol, 1mM DTT and 0.1mM PMSF.		

Introduction

Hydroxylysine Kinase, also known as HYKK, is a Protein Coding gene. HYKK which is a part of the aminoglycoside phosphotransferase family catalyzes the GTP dependent phosphorylation of 5-hydroxy-L-lysine.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HYKK Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 396 amino acids (1-373a.a) and having a molecular mass of

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44.3kDa.HYKK is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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