

Hydroxylysine Kinase Human Recombinant

Item Number	rAP-1696
Synonyms	Hydroxylysine kinase, AGPHD1, 5-hydroxy-L-lysine kinase, HYKK, Aminoglycoside phosphotransferase domain-containing protein 1.
Description	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 44.3kDa.HYKK is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	A2RU49
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSGGNYQ QSEALSKPTF SEEQASALVE SVFGLKVSKV RPLP-SYDDQN FHVYVSKTKD GPTEYVLKIS NTKASKNPDL IEVQNHIIMF LKAAGFPTAS VCHTKGDNTA SLVSVDSGSE IKSYLVRLLT YLPGRPIAEL PVSPQLLYEI GKLAAKLDKT LQRFHHPKLS SLHRENFIVN LKNVPLLEKY LYALGQNRNR EIVEHVIHLF KEEVMTKLSH FRECIHNGDL NDHNILIESS KSASGNAEYQ VSGILDFGDM SYGYVFEVA ITIMYMMIES KSPIQVGGHV LAGFESITPL TAVEKGALFL LVCSRFCQSL VMAAYSCQLY PENKDYLMVT AKTGWKHLQQ MFDMGQKAVE EIWFETAQSY ESGISM.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	HYKK solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4), 40% glycerol, 1mM DTT and 0.1mM PMSF. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**