Recombinant Thermus Thermophilus GLPK Protein (1-496 aa), His-tagged

Cat. No. GLPK-989T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Thermus Thermophilus GLPK Protein (1-496 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Thermus Thermophilus
Source	E.coli
ProteinLength	1-496 aa
Description	Key enzyme in the regulation of glycerol uptake and metabolism. Catalyzes the phosphorylation of glycerol to yield sn-glycerol 3-phosphate.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	58.8 kDa
AA Sequence	MNQYMLAIDQGTTSSRAILFNQKGEIVHMAQKEFTQYFPQPGWVEHNANEIWGSVL AVIASVLSEAQVKPEQVAGIGITNQRETTVVWEKDTGNPIYNAIVWQSRQTAGICDEL KAKGYDPLFRKKTGLLIDAYFSGTKVKWILDHVDGARERAERGELLFGTIDTWLIWKL SGGRVHVTDYSNASRTLMFNIHTLEWDDELLDILGVPKAMLPEVRPSSEVYAKTAPY HFFGVEVPIAGAAGDQQAALFGQACFTEGMAKNTYGTGCFMLMNTGEKAVASKHG LLTTIAWGIDGKVEYALEGSIFVAGSAIQWLRDGLRMIKTAADSETYAEKVESTDGVY VVPAFIGLGTPYWDSEVRGAVFGLTRGTTKEHFIRATLESLAYQTKDVLAVMEADSG

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	ISLTTLRVDGGAVKNNFLMQFQSDLLAVPVERPVVNETTALGAAYLAGLAVGYWNS RDDIAAQWQLERRFEPKMDDDKRTMLYDGWKKAVRAAMAFK
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

UniProt ID	O66131

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