

Recombinant human Glycogen phosphorylase, liver form



Catalog No: #AP72747

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Package Size: #AP72747-1 20ug #AP72747-2 100ug #AP72747-3 1mg

Description

Product Name	Recombinant human Glycogen phosphorylase, liver form
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-846aaSequence Info:Partial
Accession No.	P06737
Uniprot	P06737
GeneID	5836;
Calculated MW	98.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AKPLTDQEKRQRISIRGIVGVENVAELKKSFNRLHFLTLVKDRNVATTRDYFALAHTVRDHLVGRWIRTQQHY YDKCPKRVYYLSLEFYMGRTLQNTMINLGLQACDEAIYQLGLDIEELEIEEDAGLNGGLGRLLAACFLDSMA TLGLAAYGYGIRYEGIFNQKIRDGWQVEEADDWLRYPGWEKSRPEFMLPVHFGYKVEHTNTGKWIDTQV VLALPYDTPVPGYMNNTVNTMRLWSARAPNDFNLRDFNVGDYIQAVLDRNLAENISRVLYPNDNFFEGKELRL KQEFVVAATLQDIIRRFKASKFGSTRGAGTVFDFAPDQVAIQLNDTHPALAIPELMRIFVDIEKLPWSKAWELT QKTFAYTNHTVLPEALERWPVDLVEKLLPRHLEIIEINQKHLDRIVALFPKDVDRRLRRMSLIEEEGSKRINMAHL CIVGSHAVNGVAKIHSDIVKTKVFKDFSELEPDKFQNKNTNGITPRRWLLLCNPGLAELIAEKIGEDYVKDLSQLT KLHSFLGDDVFLRELAKVKQENKLFKFSQFLETEYKVKINPSSMFDVQVKRIHEYKRQLLNCLHVITMYNRIKKDP KKLFPRTVIIGGKAAPGYHMAKMIKLITSVADVNNNDPMVSGSKLKVIFLENYRVS LAEKVIPATDLSEQISTAGT EASGTGNMKFMLNGALTIGTMDGANVEMAEAGEENLFIGMRIDDVAALDKKGYEAKYEYALPELKLVIDQI DNGFFSPKQPD LFKDIINMLFYHDFKVFADYEAYVKCQDKVSQLYMNPKAWNTMVLKNIASGKFS SDRTIK EYAQNIWNVEPSDLKISLSNESNKVNG
Formulation	Tris-based buffer50% glycerol
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.

Background

Phosphorylase is an important allosteric enzyme in carbohydrate metabolism. Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates. However, all known phosphorylases share catalytic and structural properties.

References

Sequence analysis of the cDNA encoding human liver glycogen phosphorylase reveals tissue-specific codon usage.Newgard C.B., Nakano K., Hwang

Note: This product is for in vitro research use only