

Recombinant Human Glycogen phosphorylase, liver form(PYGL),partial

Catalog No: #AP70688

Package Size: #AP70688-1 20ug #AP70688-2 100ug #AP70688-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Glycogen phosphorylase, liver form(PYGL),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-846aaSequence Info:Partial
Accession No.	P06737
Calculated MW	123.9 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	AKPLTDQEKRRQISIRGIVGVENV AELKKSFNRLHFTLVKDRNVATTRDYFALAHTVRDHLVGRWIRTQQHY YDKCPKRYYLSLEFYMGRTLQNTMINLGLQNACDEAIYQLGLDIEELEEEEDAGLNGGGLGRLAACFLDSMA TLGLAAYGYGIRYEYGIFNQKIRDGWQVEEADDWLRYGNPWEKSRPEFMLPVHFGYKVEHTNTGTKWIDTQV VLALPYDTPVPGYMNNTVNTMRLWSARAPNDFNLRDFNVGDYIQAVLDRNLAENISRVLYPNDNFFEGKELRL KQEYFVVAATLQDIIRRFKASKFGSTRGAGTVFADFDPQVAIQLNDTHPALAIPELMRIFVDIEKLPSKAWELT QKTFAYTNHTVLPEALERWPVDLVEKLLPRHLEIYEINQKHLDRIVALFPKDVDRLRMSLIEEGSKRINMAHL CIVGSHAVNGVAKIHSDIVKTKVFKDFSELEPKDFQNKTNGITPRRWLLCNPGLAELIAEKIGEDYVKDLSQLT KLHSFLGDDVFLRELAKVKQENKLKFSQFLETEYKVKINPSSMFDVQVKRIHEYKRQLNCLHVITMYNRIKDP KKLFVPRTVIIGGKAAPGYHMAKMIKLITSVADVNNNDPMVSGSKLVIFLENYRVSLAEKVIPATDLSEQISTAGT EASGTGNMKFMLNGALTIGTMDGANVEMAEAGEENLFIFGMRIDDAALDKKGYEAKYEEALPELKLVIDQI DNGFFSPKQPDLFKDIINMLFYHDFKVFADYEAYVKCQDKVSQLYMNPKAWNTMVLKNIAASGKFSSDRTIK EYAQNIWNVEPSDLKISLSNESKNVNG
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

The DNA sequence and analysis of human chromosome 14.Heilig R., Eckenberg R., Petit J.-L., Fonknechten N., Da Silva C., Cattolico L., Levy M., Barbe V., De Berardinis V., Ureta-Vidal A., Pelletier E., Vico V., Anthouard V., Rowen L., Madan A., Qin S., Sun H., Du H. , Pepin K., Artiguenave F., Robert C., Cruaud C., Bruels T., Jaillon O., Friedlander L., Samson G., Brottier P., Cure S., Segurens B., Aniere F., Samain S., Crespeau H., Abbasi N., Aiach N., Boscus D., Dickhoff R., Dors M., Dubois I., Friedman C., Gouyvenoux M., James R., Madan A., Mairey-Estrada B., Mangenot S., Martins

N., Menard M., Oztas S., Ratcliffe A., Shaffer T., Trask B., Vacherie B., Bellemere C., Belser C., Besnard-Gonnet M., Bartol-Mavel D., Boutard M., Briez-Silla S., Combette S., Dufosse-Laurent V., Ferron C., Lechaplais C., Louesse C., Muselet D., Magdelenat G., Pateau E., Petit E., Sirvain-Trukniewicz P., Trybou A., Vega-Czarny N., Bataille E., Bluet E., Bordelais I., Dubois M., Dumont C., Guerin T., Haffray S., Hammadi R., Muanga J., Pellouin V., Robert D., Wunderle E., Gauguier G., Roy A., Sainte-Marthe L., Verdier J., Verdier-Discala C., Hillier L.W., Fulton L., McPherson J., Matsuda F., Wilson R., Scarpelli C., Gyapay G., Wincker P., Saurin W., Quetier F., Waterston R., Hood L., Weissenbach J. Nature 421:601-607(2003) Research Topic: Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.