

Recombinant *Saccharomyces cerevisiae* Protein GCY(GCY1)

Catalog No: #AP71003

Package Size: #AP71003-1 20ug #AP71003-2 100ug #AP71003-3 1mg

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Description

Product Name	Recombinant <i>Saccharomyces cerevisiae</i> Protein GCY(GCY1)
Host Species	<i>E.coli</i>
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-312aaSequence Info:Full Length
Other Names	Galactose-inducible crystallin-like protein 1
Accession No.	P14065
Calculated MW	51.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MPATLHDSTKILSLNTGAQIPQIGLGTWQSKENDAYKAVLTALKDGYRHIDTAAIYRNEDQVGQAIKDSGVPRE EIFVTTKLWCTQHHEPEVALDQSLKRLGLDYVDLYLMHWPARDPAYIKNEDILSVPTKKDGSRAVDITNWNFI KTWELMQELPKTGKTKAVGVSNFSINNLDLLASQGNKLTAAANQVEIHPLLPQDELINFCKSKGIVVEAYSPL GSTDAPLLKEPVILEIAKKNNVQPGHVVISWHVQRGYVVLPKSVNPDRIKTNRKIFTLSTEDFEINNISKEKGEK RVVHPNWSPFEVFK
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

Glycerol dehydrogenase involved in glycerol catabolism under microaerobic conditions. Has mRNA binding activity.

References

Development of a bioconversion system using *Saccharomyces cerevisiae* reductase YOR120W and *Bacillus subtilis* glucose dehydrogenase for chiral alcohol synthesis.Yoon S.A., Kim H.K.J. Microbiol. Biotechnol. 23:1395-1402(2013) Research Topic:Others

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