

Recombinant *Saccharomyces cerevisiae* GCY1 Protein (P2-K312), Tag Free

Cat. No. GCY1-0496H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Saccharomyces cerevisiae</i> GG-GCY1(P2-K312 end) Protein was expressed in <i>E. coli</i> .
Species	<i>S.cerevisiae</i>
Source	<i>E.coli</i>
ProteinLength	P2-K312
Description	Glycerol dehydrogenase involved in glycerol catabolism under microaerobic conditions. Has mRNA binding activity.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
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Shipping	It is shipped out with blue ice.
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GENE INFORMATION

Gene Name	GCY1 glycerol 2-dehydrogenase (NADP(+)) GCY1 [<i>Saccharomyces cerevisiae</i> S288C]
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Official Symbol	GCY1
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Synonyms	GCY1; glycerol 2-dehydrogenase (NADP(+)) GCY1; glycerol 2-dehydrogenase (NADP(+)) GCY1; EC 1.1.1.156; Glycerol dehydrogenase; involved in an alternative pathway for glycerol catabolism used under microaerobic conditions; also has mRNA binding activity; member of the aldo-keto reductase (AKR) family; human homolog AKR1B1 can complement yeast null mutant; protein abundance increases in response to DNA replication stress; GCY1 has a paralog, YPR1, that arose from the whole genome duplication
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Gene ID	854287
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mRNA Refseq	NM_001183539
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Protein Refseq	NP_014763
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UniProt ID	P14065
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