

Glycogenin 1, 1-333 aa, Human, His-T7-tagged, Recombinant, E.coli

Cat.NO.: TP02275

3th Edition

Synonyms:Glycogenin, GYG1, GYG

Description:Glycogenin 1 is an enzyme involved in glycogen biosynthesis. Glycogenin 1 is important for the function of self-glucosylates, via an inter-subunit mechanism, to form an oligosaccharide primer that serves as substrate for glycogen synthase. Also, it plays a role in regulating glycogen metabolism and the attainment of maximal glycogen levels in skeletal muscle.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol

Molecular Weight:41.2 kDa (365aa)

Sequences:

MHHHHHHMASMTGGQQMGRDLYDDDDKDRWGSMTDQAFVTLTTNDAYAKGALVLGSSLKQHRTRRLVVLATP
QVSDSMRKVLETVFDEVIMVDVLDGSDSAHLTLMKRPELGVTLTKLHCWSLTQYSKCVFMDADTLVLANIDDLFDR
EELSAAPDPGWPDCFNQVGVFVYQPSVETYNQLLHLASEQGSFDDGGDQGILNTFFSSWATTDIRKHLPPFIYNLSSISI
YSYLPFAFKVFGASAKVVHFLGRVKPWNYYTDPKTKSVKSEAHDPNMTHPEFLILWWNIFTTNVLP LLQQFGLVKDT
CSYVNVEDVSGAISHLSLGEIPAMAQPFVSSEERKERWEQGGADYMGADSF DNKRKLD TYLQ

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.