

# Product information



## Glycogenin 1, 1-333 aa

Human, His-T7-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0349

**Synonyms:** Glycogenin, GYG1, GYG

**NCBI Accession No.:** AAH00033

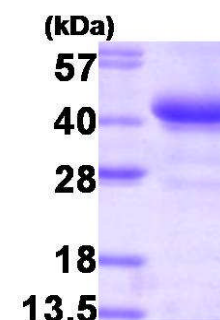
**Description:** Glycogenin 1 is an enzyme involved in glycogen biosynthesis. Glycogenin 1 is important for the function of self-glucosylates, via an inter-subunit mechanism, to form an oligosaccharide primer that serves as substrate for glycogen synthase. Also, it plays a role in regulating glycogen metabolism and the attainment of maximal glycogen levels in skeletal muscle. Recombinant human Glycogenin 1, fused to His-T7-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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

**Molecular Weight:** 41.2 kDa (365aa)

**Purity:** > 90% by SDS - PAGE

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



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MHHHHHMAS MTGGQQMGRD LYDDDDKDRW GSMTDQAFVT LTTNDAYAKG ALVLGSSSLKQ HRTTRRLVVL ATPQVSDSMR KVLETVFDEV  
IMVDVLDSDG SAHLTLMKRP ELGVTLTCLH CWSLTQYSKC VFMDADTLVL ANIDDLFDRE ELSAAPDPGW PDCFNSGVFV YQPSVETYNQ  
LLHLASEQGS FDGGDQGILN TFFSSWATTD IRKHLPIIYN LSSISIYSYL PAFKVFASGA KVVHFLGRVK PWNYYDYPKT KSVKSEAHDP  
NMTHPEFLIL WNNIFTTNVL PLLQQFGLVK DTCSYVNVED VSGAISHLSL GEIPAMAQPF VSSEERKERW EQGQADYMG A DFDNIKRKL  
DTYLQ

### General references:

Yamashita H., *et al.* (1999) *J Biol Chem.* 274(42):29897-904.

Declercq JP., *et al.* (2001) *J Mol Biol.* 311(4):751-9.

**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.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Avoid repeated freezing and thawing cycles.

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