

## Product datasheet for TP510381

### Gys1 (NM\_030678) Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Mouse glycogen synthase 1, muscle (Gys1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species:                              | Mouse   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >MR210381 protein sequence<br>Red=Cloning site Green=Tags(s)  |

MPLSRSLSVSSSLPGLLEDWEDEFDPENAVLFEVAWEVANKVGGIYTVLQTKAKVTGDEWGDNYLVGPYTE  
QGVRTQVELLEPPTPELKRTLDSMNSKGCKVYFGRWLIIEGGLVLLDVGASAWALERWKGELWDTCNIG  
VPWYDREANDAVLFGFLTTFWFLGFLAQNEEKPYVVAHFHEWLAGVGLCLCRARRLPVATIFTTHATLLG  
RYLCAGAVDFYNNLENFNVDKEAGERQIYHRYCMERAAAHCAHVFTTVSQITAIEAQHLLKRKPDIVTPN  
GLNVKKFSAMHEFQNLHAQSKARIQEFVRGHFYGHLDNFNLDKTLYFFIAGRYEFSNKGADVFLALARLN  
YLLRVNGSEQTVVAFFIMPARTNNFNVETLKGQAVRKQLWDTANTVKEKFRKLYESLLVGSPLDPMNKML  
DKEDFTMMKRAIFATQRQSFPPVCTHNMLDSSDPILTTIRRIGLFNSSADRVKVFHFPEFLSSTSPLLP  
VDYEEFVRGCHLGVFSPYYEPWGYTPAECTVMGIPSISTNLSGFGCFMEEHIADPSAYGIYILDRRFRSL  
DDSCSQLTSFLYSFCQSRQRRIQRNRTERLSDLLDWKYLGRYYMSARHMALAKAFPDPHFTYEPHEVDA  
TQGYRYPASVPPSPSLSRHSSPHQSEDEEEPRDGPLGEDSERYDEEEAAKDRRNIRAPEWPRRASC  
SSTGGSKRSNSVDTGPSSSLSTPTEPLSPTSSLGEERN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

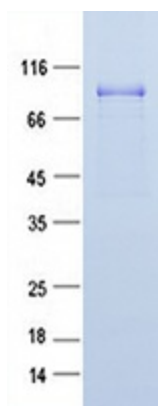
|                |  |
|----------------|--|
| Tag:           | C-MYC/DDK  |
| Predicted MW:  | 83.9 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C after receiving vials.  |



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|               |   |
|---------------|---|
| Stability:    | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq:       | <a href="#">NP_109603</a>   |
| Locus ID:     | 14936   |
| UniProt ID:   | <a href="#">Q9Z1E4</a>  |
| RefSeq Size:  | 3681  |
| Cytogenetics: | 7 29.31 cM  |
| RefSeq ORF:   | 2217  |
| Synonyms:     | Gys3; MGS   |
| Summary:      | Transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan.<br>[UniProtKB/Swiss-Prot Function]                   |

### Product images:



Purified recombinant protein Gys1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.