

## Product datasheet for **TP310005L**

### AGL (NM\_000642) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (AGL), transcript variant 1, 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA** >RC210005 representing NM\_000642  
**Clone or AA Sequence:** Red=Cloning site Green=Tags(s)

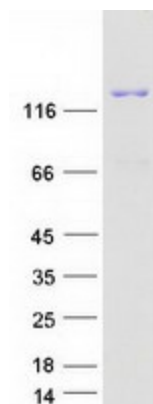
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	174.6 kDa
<b>Concentration:</b>	>0.1 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000633</a>
<b>Locus ID:</b>	178
<b>UniProt ID:</b>	<a href="#">P35573</a> , <a href="#">A0A0S2A4E4</a>
<b>RefSeq Size:</b>	7371
<b>Cytogenetics:</b>	1p21.2
<b>RefSeq ORF:</b>	4596
<b>Synonyms:</b>	GDE
<b>Summary:</b>	This gene encodes the glycogen debrancher enzyme which is involved in glycogen degradation. This enzyme has two independent catalytic activities which occur at different sites on the protein: a 4-alpha-glucotransferase activity and a amylo-1,6-glucosidase activity. Mutations in this gene are associated with glycogen storage disease although a wide range of enzymatic and clinical variability occurs which may be due to tissue-specific alternative splicing. Alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Starch and sucrose metabolism

**Product images:**

Coomassie blue staining of purified AGL protein (Cat# [TP310005]). The protein was produced from HEK293T cells transfected with AGL cDNA clone (Cat# [RC210005]) using MegaTran 2.0 (Cat# [TT210002]).