

Product datasheet for TP310005

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC210005 representing NM_000642
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

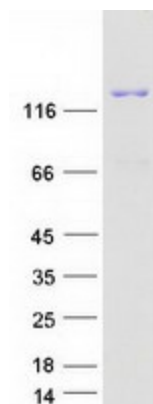
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PETTAKTIVLKNVLSRHYVHLERSPWKGLPELTNENAQYCPFCSETQAWSIATILETLTYDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Tag:	C-Myc/DDK
Predicted MW:	174.6 kDa
Concentration:	>0.1 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	NP_000633
Locus ID:	178
UniProt ID:	P35573
RefSeq Size:	7371
Cytogenetics:	1p21.2
RefSeq ORF:	4596
Synonyms:	GDE
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	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]).