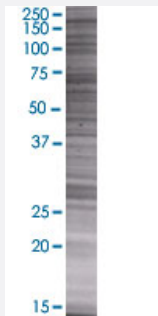


AGL 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000178-T01

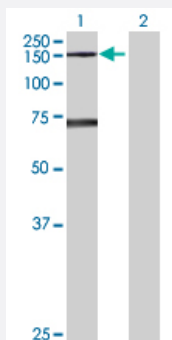
Size 100 uL

Applications



SDS-PAGE Gel

AGL transfected lysate.



Western Blot

Lane 1: AGL transfected lysate (168.63 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AGL full-length
Host	Human
Theoretical MW (kDa)	168.63
Interspecies Antigen Sequence	Mouse (92); Rat (92)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-AGL antibody ([H00000178-B01](#)) by Western Blots.
SDS-PAGE Gel
AGL transfected lysate.
Western Blot
Lane 1: AGL transfected lysate (168.63 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — AGL

Entrez GeneID

[178](#)

GeneBank Accession#

[BC078663.1](#)

Protein Accession#

[NP_000019.2](#)

Gene Name

AGL

Gene Alias

GDE

Gene Description

amylo-1, 6-glucosidase, 4-alpha-glucanotransferase

Omim ID

[232400 610860](#)

Gene Ontology

[Hyperlink](#)

Gene 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]

Other Designations

OTTHUMP00000012500|OTTHUMP00000012501|OTTHUMP00000012502|OTTHUMP00000012503|OTTHUMP00000012504|OTTHUMP00000012505|glycogen debranching enzyme

Pathway

- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)

Disease

- [Glycogen Storage Disease Type III](#)
- [Tobacco Use Disorder](#)