

Recombinant Mouse Agl Protein, His-tagged

Cat. No. Agl-93M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Agl Protein (Asp1197-Leu1532) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asp1197-Leu1532
Description	Enables glycogen debranching enzyme activity; polysaccharide binding activity; and polyubiquitin modification-dependent protein binding activity. Acts upstream of or within glycogen metabolic process. Located in cytoplasm; inclusion body; and nucleus. Is expressed in several structures, including alimentary system; central nervous system; heart; musculature; and sensory organ. Used to study glycogen storage disease III. Human ortholog(s) of this gene implicated in glycogen storage disease III. Orthologous to human AGL (amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.4 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Agl amylo-1,6-glucosidase, 4-alpha-glucanotransferase [<i>Mus musculus</i> (house mouse)]
Official Symbol	Agl
Synonyms	AGL; amylo-1,6-glucosidase, 4-alpha-glucanotransferase; glycogen debranching enzyme; C77197; AI850929; 1110061O17Rik; 9430004C13Rik; 9630046L06Rik
Gene ID	77559
mRNA Refseq	NM_001081326
Protein Refseq	NP_001074795
UniProt ID	F8VPN4

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