

## Recombinant Human AGL protein, His-tagged

Cat. No. AGL-4532H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human AGL protein(1182-1533 aa), fused with N-terminal His tag, was expressed in E. coli.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 1182-1533 aa   |
| <b>Tag</b>              | N-His  |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.              |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.   |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |

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**AA Sequence**

MYPTDDSAPLPAGTLDQPLFEVIQEAMQKHMQGIQFRERNAGPQIDRNMKDEGFNI  
 TAGVDEETGFVYGGNRFNCGTWMDKMGESDRARNRGIPATPRDGSVEIVGLSKS  
 AVRWLELSKKNIFPYHEVTVKRHGKAIKVSYDEWNRKIQDNFEKLFHVSEDPSDLN  
 EKHPNLVHKRGIYKDSYGASSPWCDYQLRPNFTIAMVVAPELFTTEKAWKALEIAEK  
 KLLGPLGMKTLDPDDMVYCGIYDNALDNDNYNLAKGFNYHQGPEWLWPIGYFLRAK  
 LYFSRLMGPETTAKTIVLVKNVLSRHYVHLERSPWKGLPELTNENAQYCPFSCETQA  
 WSIATILETLYDL

## GENE INFORMATION

**Gene Name** [AGL amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase \[ Homo sapiens \]](#)

**Official Symbol** [AGL](#)

**Synonyms**

AGL; amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase; amylo 1, 6  
 glucosidase, 4 alpha glucanotransferase; glycogen debranching enzyme; glycogen  
 storage disease type III; glycogen debrancher; amylo-1, 6-glucosidase, 4-alpha-  
 glucanotransferase; GDE;

**Gene ID** [178](#)

**mRNA Refseq** [NM\\_000028](#)

**Protein Refseq** [NP\\_000019](#)

**MIM** [610860](#)

**UniProt ID** [P35573](#)

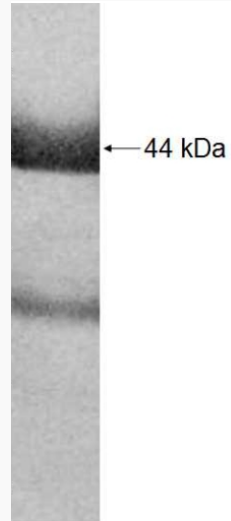
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SDS-PAGE



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