

## Recombinant Human AGL protein, His-tagged

Cat. No. AGL-4533H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AGL protein(258-424 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 258-424 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** SCDVAEGKYKEKGIPALIENDHHMNSIRKIIWEDIFPKLKLWEFFQVDVNKAVEQFRR  
LLTQENRRVTKSDPNQHLTIQDPEYRRFGCTVDMNIALTTFIPHDKGPAAIEECCNW  
FHKRMEELNSEKHRLINYHQEQAVNCLLGNVFYERLAGHGPKLGPVTRKHP

## 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

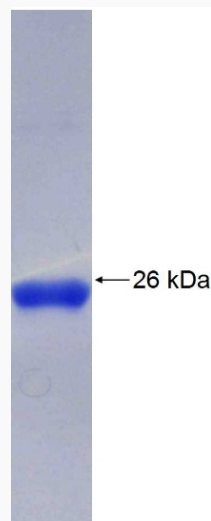
**UniProt ID** P35573

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SDS-PAGE



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