

Datasheet for ABIN7553987  
**AGL Protein (AA 1-1532) (His tag)**



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## Overview

Quantity:	1 mg
Target:	AGL
Protein Characteristics:	AA 1-1532
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGL protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat AGL Protein expressed in mammalien cells.
Sequence:	<p>MGHSKQIRIL LLNEMEKLEK TLFRLQGYE LQFRLGPTLQ GKAVTVYTNY PFPGETFNRE KFRSLDWENP TEREDDSKY CKLNLQSGS FQYYFLQGNE KSGGGYIVVD PILRVGADNH VLPLDCVTLQ TFLAKCLGPF DEWESRLRVA KESGYNMIHF TPLQTLGLSR SCYSLANQLE LNPDFSRPNR KYTWNDVGQL VEKLLKEWNV ICITDVVYNH TAANSKWIQE HPECAYNLVN SPHLKPAWVL DRALWRFSCD VAEGKYKEKG IPALIENDHH MNSIRKIIWE DIFPKLKLWE FFQVDVNKAV EQFRLLTQE NRRVTKSDPN QHLTIIQDPE YRRFGCTVDM NIALTTFIPH DKGPAAIEEC CNWFHKRMEE LNSEKHRLIN YHQEQAVNCL LGNVFYERLA GHGPKLGPVT RKHPLVTRYF TFPFEEIDFS MEESMIHLPN KACFLMAHNG WVMGDDPLRN FAEPGSEVYL RRELICWGDS VKLRYGNKPE DCPYLWAHMK KYTEITATYF QGVRLDNCHS TPLHVAEYML DAARNLQPNL YVVAELFTGS EDLDNVFVTR LGISSLIREA MSAYNSHEEG RLVYRYGGEP VGSFVQPCLR PLMPAIAHAL FMDITHDNEC PIVHRSAYDA LPSTTIVSMA CCASGSTRGY</p>

DELVPHQISV VSEERFYTKW NPEALPSNTG EVNFQSGIIA ARCAISKLHQ ELGAKGFIQV  
YVDQVDEDIV AVTRHSPSIH QSVVAVSRTA FRNPKTSFYS KEVPQMCIPG KIEEVVLEAR  
TIERNTKPYR KDENSINGTP DITVEIREHI QLNESKIVKQ AGVATKGPNE YIQEIEFENL SPGSVIIFRV  
SLDPHAQVAV GILRNHLTQF SPHFKSGSLA VDNADPILKI PFASLASRLT LAELNQILYR  
CESEEKEDGG GCYDIPNWSA LKYAGLQGLM SVLAEIRPKN DLGHPFCNNL RSGDWMIDYV  
SNRLISRSGT IAEVGKWLQA MFFYLKQIPR YLIPCYFDAI LIGAYTTLLD TAWKQMSSFV  
QNGSTFVKHL SLGSQLCGV GKFPSPILS PALMDVPYRL NEITKEKEQC CVSLAAGLPH  
FSSGIFRCWG RDTFIALRGI LLITGRYVEA RNIILAFAGT LRHGLIPNLL GEGIYARYNC  
RDAVWWWLQC IQDYCKMVPN GLDILKCPVS RMYPTDDSAP LPAGTLDQPL FEVIQEAMQK  
HMQGIQFRER NAGPQIDRNM KDEGFNITAG VDEETGFVYG GNRFNCGTWM DKMGESDRAR  
NRGIPATPRD GSAVEIVGLS KSAVRWLEL SKKNIFPYHE VTKVRHGKAI KVSYDEWNRK  
IQDNFEKLFH VSEDPSDLNE KHPNLVHKRG IYKDSYGASS PWCDYQLRPN FTIAMVVAPE  
LFTTEKAWKA LEIAEKLLG PLGMKTLDPD DMVYCGIYDN ALDNDNYNLA KGFNYHQGPE  
WLWPIGYFLR AKLYFSRLMG PETTAKTIVL VKNVLSRHYV HLERSPWKGL PELTNENAQY  
CPFSCETQAW SIATILETLY DL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target:	AGL
Alternative Name:	AGL ( <a href="#">AGL Products</a> )
Background:	Glycogen debranching enzyme (Glycogen debrancher) [Includes: 4-alpha-glucanotransferase (EC 2.4.1.25) (Oligo-1,4-1,4-glucontransferase), Amylo-alpha-1,6-glycosidase (Amylo-1,6-glycosidase) (EC 3.2.1.33) (Dextrin 6-alpha-D-glycosidase)],FUNCTION: Multifunctional enzyme acting as 1,4-alpha-D-glucon:1,4-alpha-D-glucon 4-alpha-D-glycosyltransferase and amylo-1,6-glycosidase in glycogen degradation.
Molecular Weight:	174.8 kDa
UniProt:	<a href="#">P35573</a>
Pathways:	<a href="#">Cellular Glucon Metabolic Process</a>

## Application Details

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Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months