

Product datasheet for **TP315495M**

AGL (NM_000028) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (AGL), transcript variant 4, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC215495 representing NM_000028
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MGHSKQIRILLNEMEKLEKTLFRLEQGYELQFRLGPTLQGKAVTVYTNYPFPGETFNREKFRSLDWENP
TEREDDSKDYCKLNLQQSGSFQYYFLQGNEKSGGGYIVVDPILRVGADNHVLPDLCVTLQTLAKCLGPF
DEWESRLRVAKESGYNMIHFTPLQTLGLSRSCYSLANQLELNPDFSFRPNRKYTWNDVGQLVEKLKKEWNV
ICITDVVYNHTAANSKWQEHPECAYNLVNSPHLKPWVLDRLWRFSCDVAEGKYKEKGIPALIENDHH
MNSIRKIIWEDIFPKLKLWEFFQVDVNKAVEQFRRLLTQENRRVTKSDPNQHLLTIIQDPEYRRFGCTVDM
NIALTTFIPHDKGPAIECCNWFHKKRMEELNSEKHRLINYHQEQAVNCLLGNVYERLAGHGPKLGPVT
RKHPLVTRYFTFPFEEIDFSMEESMIHLPNKACFLMAHNGWVMGDDPLRNFAEPGSEVYLRRELICWGDS
VKLRYGNKPEDCPYLWAHMKKYTEITATYFQGVRLDNCHSTPLHVAEYMLDAARNLQPNLYVVAELFTGS
EDLDNVFVTRLGISSLIREAMSAYNSHEEGRLVYRYGGEPVGSFVQPCRPLMPAIAHALFMDITHDNEC
PIVHRSAYDALPSTTIVSMACCASGSTRGYDELVPHQISVVSEERFYTKWNPEALPSNTGEVNFQSGIIA
ARCAISKLHQELGAKGFIQVYVDQVDEDIVAVTRHSPSIHQSVAVSRTAFRNPKTSFYSKEVPQMCIPG
KIEEVVLEARTIERNTKPYRKDENSINGTPDITVEIREHIQLNESKIVKQAGVATKGPNEYIQEIEFENL
SPGSVIFRVSLDPAQVAVGILRNHLTQFSPHFKSGSLAVDNADPILKIPFASLASRLTAEALNQILYR
CESEEKEDGGGCYDIPNWSALKYAGLQGLMSVLAIRPKNDLGHPFCNNLRSGDWMIDYVSNNLISRSRG
IAEVGKWLQAMFFYLKQIPRYLIPCYFDAILIGAYTTLLDTAWKQMSSFVQNGSTFVKHLSLGSVQLCGV
GKFPSLPILSPALMDVPYRLNEITKEKEQCCVSLAAGLPHFSSGIFRCWGRDTFIALRGILLITGRYVEA
RNIILAFAGTLRHGLIPNLLGEGYARYNCRDAVWWWLQCIQDYCKMVPNGLDILKCPVSRMYPTDDSDAP
LPAGTLDQPLFEVIQEQAMQKHMQGIQFRERNAGPQIDRNMKDEGFNITAGVDEETGFVYGGNRFNCGTWM
DKMGESDRARNRGIPATPRDGSVEIVGLSKSAVRWLLELSKKNIFPYHEVTVKRHGKAIKVSYDEWNRK
IQDNFEKLFHVSEDPSDLNEKHPNLVHKRGYKDSYGASSPWCDYQLRPNFTIAMVVAPELFTTEKAWKA
LEIAEKLLGPLGMKTLDPDDMVYCGIYDNALDNDNYNLAKGFNYHQGPWLWPIGYFLRAKLYFSRLMG
PETTAKTIVLVKNVLSRHYVHLERSPWKGLPELTNENAYCPCFSCETQAWSIATILETLYDL

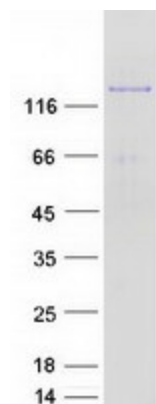
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Tag:	C-Myc/DDK
Predicted MW:	174.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000019
Locus ID:	178
UniProt ID:	P35573 , A0A0S2A4E4
RefSeq Size:	7445
Cytogenetics:	1p21.2
RefSeq ORF:	4596
Synonyms:	GDE
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, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Starch and sucrose metabolism

Product images:



Coomassie blue staining of purified AGL protein (Cat# [TP315495]). The protein was produced from HEK293T cells transfected with AGL cDNA clone (Cat# [RC215495]) using MegaTran 2.0 (Cat# [TT210002]).