

Product datasheet for TP302313M

AFG1L (NM_145315) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lactation elevated 1 (LACE1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202313 protein sequence Red =Cloning site Green =Tags(s)

MAASWSLLVTLRPLAQSPLRGRCVCGAWAAALAPLATAPGKPFWKAYTVQTSSEMTPTATSETYLKALA
VCHGPLDHYDFLIKAHELKDDDEHQRRVIQCLQKLHEDLKGYNIEAEGLSKLFSSKPPRGLVYVGDVGT
GKTMVMDMFYAYVEMKRKKRVHFGFMLDVHKRIHRLKQSLPKRKPFGMAKSYDPIAPIAEEISEEACLL
CFDEFQVTDIADAMILKQLFENLFKNGVWWATSNRPEDLYKNGLQRANFVPFIAVLKEYCNTVQLDSG
IDYRKRELPAAAGKLYLTSEADVEAVMDKLFDELAQKQNDLTRPRILKVQGRELRLNKACGTVADCTFEE
LCERPLGASDYLELSKNFDTIFLRNIPQFTLANRTQGRRFITLIDNFYDLKVRIIICSASTPISSLFLHQH
HDSELEQSRILMDDLGLSQDSAEGLSMFTGEEEIFAFQRTISRLTEMQTEQYWNEDRTRKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	54.7 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:	<u>NP_660358</u>

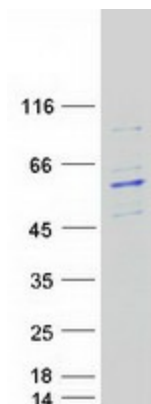


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Locus ID: 246269
UniProt ID: [Q8WV93](#)
RefSeq Size: 2262
Cytogenetics: 6q21
RefSeq ORF: 1443
Synonyms: AFG1; c222389; LACE1

Summary: This gene encodes a mitochondrial integral membrane protein that plays a role in mitochondrial protein homeostasis. The protein contains a P-loop motif and a five-domain structure that is conserved in fly, yeast, and bacteria. It functions to mediate the degradation of nuclear-encoded complex IV subunits. Two conserved estrogen receptor binding sites are located within 2.5 kb of this gene. Polymorphisms in this gene have been associated with bipolar disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2016]

Product images:



Coomassie blue staining of purified AFG1L protein (Cat# [TP302313]). The protein was produced from HEK293T cells transfected with AFG1L cDNA clone (Cat# [RC202313]) using MegaTran 2.0 (Cat# [TT210002]).