

## Product datasheet for **TP309073L**

### RED1 (ADARB1) (NM\_001112) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adenosine deaminase, RNA-specific, B1 (RED1 homolog rat) (ADARB1), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209073 representing NM_001112 Red=Cloning site Green=Tags(s)

MDIEDEENMSSSSTDVKENRNLNDNVSPKDGSTPGPGEGSQLSNGGGGGPGRKRPLEEGSNGHISKYRLKRR  
RKTGPVLPKNAQLMQLNEIKPGLQYTLTLLSQTGPVHAPLFVMSVEVNGQVFEFGSGPTKKKAKLHAAEKALR  
SFVQFPNASEAHLAMGRTLSVNTDFTSDQADFPDTLNGFETPDKAEPFFYVGSNGDDSFSSGDLLSA  
SPVPASLAQPPLPALPPPPPSGKNPVMILNELRPLKYDFLSESGESHAKSFVMSVWDGQFFEGSGRN  
KKLAKARAAQSALAAIFNLHLDQTPSRQPIPSEGLQLHLPQVLADAVSRLVLGKFGDLTDNFSSPHARRK  
VLAGVVMTTGTDVKDAKVISVSTGTCKINGEYMSDRGLALNDCHAEIISRRSLLRFLYTQLELYLNNKDD  
QKRSIFQKSERGGFRLKENVQFHLYISTSPCGDARIFSPHEPILEPADRHPNRKARGQLRTKIESGEGT  
IPVRSNASIQTWGVLQGERLLTMSKSDKIARWNVVGIQGSLLSIFVEPIYFSSIIILGSLYHGDHLSRAM  
YQRISNIEDLPPLYTLNKPLLSGISNAEARQPGKAPNFSVNWTVGDSAIEVINATTGKDELGRASRLCKH  
ALYCRWMRVHGKVPShLLRSKITKPNVYHESKLAKEYQAAKARLFTAFIKAGLGAWVEKPTAQDQFSLT  
P

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

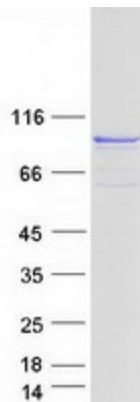
Tag:	C-Myc/DDK
Predicted MW:	76.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_0011103</a>
<b>Locus ID:</b>	104
<b>UniProt ID:</b>	<a href="#">P78563</a>
<b>RefSeq Size:</b>	6881
<b>Cytogenetics:</b>	21q22.3
<b>RefSeq ORF:</b>	2103
<b>Synonyms:</b>	ADAR2; DRABA2; DRADA2; NEDHYMS; RED1
<b>Summary:</b>	This gene encodes the enzyme responsible for pre-mRNA editing of the glutamate receptor subunit B by site-specific deamination of adenosines. Studies in rat found that this enzyme acted on its own pre-mRNA molecules to convert an AA dinucleotide to an AI dinucleotide which resulted in a new splice site. Alternative splicing of this gene results in several transcript variants, some of which have been characterized by the presence or absence of an ALU cassette insert and a short or long C-terminal region. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified ADARB1 protein (Cat# [TP309073]). The protein was produced from HEK293T cells transfected with ADARB1 cDNA clone (Cat# [RC209073]) using MegaTran 2.0 (Cat# [TT210002]).