

## Product datasheet for PH312324

### RED1 (ADARB1) (NM\_015833) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ADARB1 MS Standard C13 and N15-labeled recombinant protein (NP_056648)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212324
Predicted MW:	80.6 kDa
Protein Sequence:	>RC212324 representing NM_015833 Red=Cloning site Green=Tags(s)

MDIEEENMSSSTDVKNRNLDNVSPKDGSTPGPEGSQLSNGGGGPGRKRPLEEGSNHSHKYRLKKR  
RKTPGPVLPKNALMQLNEIKPGLQYTLTLLSQTGPVHAPLFVMSVEVNGQVFEVSGPTKKKAKLHAAEKALR  
SFVQFPNASEAHLAMGRTL SVNTDFTSDQADFPDTLFNGFETPDKAEPFFVYVGSNGDDSFSSGDL SLSA  
SPVPASLAQPPLPVLPPFPSPGKNPVMILNELRPGLKYDFLSESGESHAKSFVMSVVVDGQFFEGSGRN  
KKLAKARAAQSALAAIFNLHLDQTPSRQPIPSEGLQLHLPQVLADAVSRLVVGKFGDLTDFNSSPHARRK  
VLAVVMTTGTVDKAKVISVSTGKTCINGEYMSDRGLALNDCHAEIISRRSLLRFLYTQLELYLNNKDD  
QKRSIFQKSERGGFRLKENVQFHLYISTSPCGDARIFSPHEPILEGSRSYTQAGVQWCNHGSLQPRPPGL  
LSDPSTSTFQAGTTEPADRHPNRKARGQLRTKIESGEGTIPVRSNASIQTWGVLQGERLLTMSCSDKI  
ARWNVVGIQGSLLSIFVEPIYFSSIIILGSLYHGDHL SRAMYQRI SNIEDLPPLYTLNKPLLSGISNAEAR  
QPGKAPNF SVNWTVGDSAIEVINATTGKDELGRASRLCKHALYCRWVRVHGKVP SHLLRSKITKPNVYHE  
SKLAAKEYQAAKARLFTAFIKAGLGAWVEKPTEQDQFSLTP

SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_056648</a>



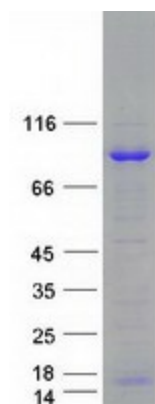
[View online »](#)

RefSeq Size:	5035
RefSeq ORF:	2223
Synonyms:	ADAR2; DRABA2; DRADA2; NEDHYMS; RED1
Locus ID:	104
UniProt ID:	<a href="#">P78563</a>
Cytogenetics:	21q22.3

**Summary:** 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]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified ADARB1 protein (Cat# [TP312324]). The protein was produced from HEK293T cells transfected with ADARB1 cDNA clone (Cat# [RC212324]) using MegaTran 2.0 (Cat# [TT210002]).