

Product datasheet for PH319761

ADAR1 (ADAR) (NM_001025107) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ADAR MS Standard C13 and N15-labeled recombinant protein (NP_001020278)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219761
Predicted MW:	103.6 kDa
Protein Sequence:	>RC219761 protein sequence Red=Cloning site Green=Tags(s)

MAEIKEKICDYLFNVSDSSALNLAKNIGLTKARDINAVLIDMERQGDVYRQGTTPPIWHLTDKKRERMQI
KRNTNSVPETAPAAIPETKRNAEFLTCNIPTSNASNMMVTTEKVENGEPEVIKLENRQEARPEPARLKPP
VHYNGPSKAGYVDFENGQWATDDIPDDLNSIRAAPGEFRAIMEMPSFYSHGLPRCSYKKLTECQLKNPI
SGLLEAYAQFASQTCEFNIEQSGPPHEPRFKFQVVINGREFPPAEAGSKKQDAAMKAMTILLEEAKA
KDSGKSEESSHYSTEKESEKTAESQTPTPSATSFSGKSPVTTLLCEMHKLGNSCEFRLLSKEGPAHEPK
FQYCVAVGAQTFPSVSAPSKKQVAKQMAAEEAMKALHGEATNSMASDNQPEGMISELDNLESMMPNKVRK
IGELVRYLNTNPVGGLLEYARSHGFAAEFKLVDQSGPPHEPKFVYQAKVGGRRWFPVCAHSHKQKQEA
DAALRVLIGENEAERMGFTEVTPVTGASLRRTMLLLSRSPAQPKTLPLTGSTFHDQIAMLSHRCFNTL
TNSFQPSLLGRKILAAIIMKKDSEDMGVVSLGTGNRCVKGDSLKGETVNDCHAEIISRRTGFIIRFLYS
ELMKYNSQTAKDSIFEPAGGKELQIKKTVSFHLYISTAPCGDGFALFDKSCSDRAMESTESRHYVPFENP
KQKGLRTRKVENEGEIPVSSDIPTWTDGIRLGERLRTMSCSDKILRWNVLGLQGALLTHFLQPIYLKSV
TLGYLFSQGHLTRAIACRVTRDGSFAFEDGLRHPFIVNHPKVGRVSIYDSKRQSGKTKETSVNWCLADGYD
LEILDGTRGTVDGPRNELSRVSKKNIFFLLFKKLCFRYRRDLLRLSYGEAKKAARDYETAKNYFKKGLKD
MGYGNWISKPQEEKNFYLCVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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.



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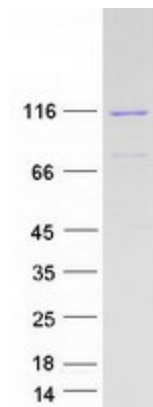
RefSeq:	NP_001020278
RefSeq Size:	6532
RefSeq ORF:	2796
Synonyms:	ADAR1; AGS6; DRADA; DSH; DSRAD; G1P1; IFI-4; IFI4; K88DSRBP; P136
Locus ID:	103
UniProt ID:	P55265
Cytogenetics:	1q21.3

Summary: This gene encodes the enzyme responsible for RNA editing by site-specific deamination of adenosines. This enzyme destabilizes double-stranded RNA through conversion of adenosine to inosine. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010]

Protein Families: Druggable Genome

Protein Pathways: Cytosolic DNA-sensing pathway

Product images:



Coomassie blue staining of purified ADAR protein (Cat# [TP319761]). The protein was produced from HEK293T cells transfected with ADAR cDNA clone (Cat# [RC219761]) using MegaTran 2.0 (Cat# [TT210002]).