

Product datasheet for TP319761

ADAR1 (ADAR) (NM_001025107) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adenosine deaminase, RNA-specific (ADAR), transcript variant 4, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219761 protein sequence Red =Cloning site Green =Tags(s)

MAEIKEKICDYLFNVSDSSALNLAKNIGLTKARDINAVLIDMERQGDVYRQGTTPPIWHLTDKKRERMQI
KRNTNSVPETAPAAIPETKRNAEFLTCNIPTSNASNMMVTTEKVENGGQEPVIKLENRQEARPEPARLKPP
VHYNGPSKAGYVDFENGQWATDDIPDDLNSIRAAPGEFRAIMEMPSFYSHGLPRCSPYKCLTECQLKNPI
SGLLEYAQFASQTCEFNMIEQSGPPHEPRFKFQVINGREFPPAEAGSKKQVAKQDAAMKAMTILLEEAKA
KDSGKSEESSHYSTEKESEKTAESQTPTPSATSFSGKSPVTTLLCEMHLGNSCEFRLLSKEGPAHEPK
FQYCVAVGAQTFPSVSAPSCKKQVAKQMAAEEAMKALHGEATNSMASDNQPEGMISESLDNLESMMPNKV
RK
IGELVRYLNTNPVGGLLLEYARSHGFAAEFLVDQSGPPHEPKFVYQAKVGGRWFPVCAHSAKQKQKQEA
DAALRVLIGENKAERMGFTEVTPVTGASLRRTMLLSRSPEAQPKLPLTGSTFHDQIAMLSHRCFNTL
TNSFQPSLLGRKILAAIIMKKDSEDMGWWVSLGTGNRCVKGDSLSLKGETVNDCHAEIISRRGFIRFLYS
ELMKYNSQTAKDSIFEPAKGGKELQIKKTVSFHLYISTAPCGDGFDFKSCSDRAMESTESRHYPVFENP
KQGKLRKVENGEGTIPVESSDIVPTWDGIRLGERLRTMSCSDKILRWNVLGLQGALLTHFLQPIYLKSV
TLGYLFSQGHLLTRAICRVTRDGSFEDGLRHPFIVNHPKVGRVSIYDSKRQSGKTKETSVNWCLADGYD
LEILDGTRGTVDGPRNELSRVSKKNIFLLFKKLCFSFRYRRDLLRLSYGEAKKAARDYETAKNYFKKGLKD
MGYGNWISKPQEEKNFYLCVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

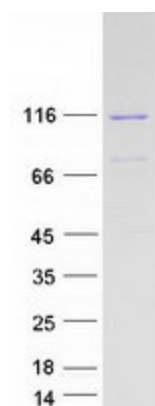
Tag:	C-Myc/DDK
Predicted MW:	103.5 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_001020278
Locus ID:	103
UniProt ID:	P55265
RefSeq Size:	6532
Cytogenetics:	1q21.3
RefSeq ORF:	2793
Synonyms:	ADAR1; AGS6; DRADA; DSH; DSRAD; G1P1; IFI-4; IFI4; K88DSRBP; P136
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]).