

Recombinant Human ADAR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADAR-5956H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADAR MS Standard C13 and N15-labeled recombinant protein (NP_001020278) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	103.6 kDa
AA Sequence	MAEIKEKICDYLFNVSDSSALNLAKNIGLTKARDINAVLIDMERQGDVYRQGTTPPIW HLTDKKRERMQIKRNTNSVPETAPAAIPETKRNAEFLTCNIPTSNASNMMVTTEKVE NGQEPVIKLENRQEARPEPARLKPPVHYNGPSKAGYVDFENGQWATDDIPDDLNSI RAAPGEFRAIMEMPSFYSHGLPRCSPYKKLTECQLKNPISGLLEYAQFASQTCEFNM IEQSGPPHEPRFKFQVINGREFPPAEAGSKKQDAAMKAMTILLEEAKAKDSGK SEESSHYSTEKESEKTAESQTPTPSATSFSGKSPVTTLLECMHKLGNLSCEFRLLSK EGPAHEPKFQYCVAVGAQTFPSVSAPSKKQMAAEEAMKALHGEATNSMASDN QPEGMISESLDNLESMPNPKVRKIGELVRYLNTNPVGGLLLEYARSHGFAAEFKLVD

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QSGPPHEPKFVYQAKVGGRWFPVCAHSSKKQKGQEAADAALRVLIGENKAERMG
 FTEVTPVTGASLRRTMLLSRSPEAQPKTLPLTGSTFHDQIAMLSHRCFNTLTNSFQ
 PSLLGRKILAAIIMKKDSEDMGVVSLGTGNRCVKGDSLKGETVNDCHAEIISRRG
 FIRFLYSELMKYNSQTAKDSIFEPAGGKELQIKKTVSFHLYISTAPCGDGALFDKSC
 SDRAMESTESRHYPVFENPKQGKLRTKVENGEGTIPVESSDIVPTWDGIRLGERLRT
 MSCSDKILRWNVLGLQGALLTHFLQPIYLKSVTLGYLFSQGHLTRACCRVTRDGSFAF
 EDGLRHPFIVNHPKVGRVSIYDSKRQSGKTKETSVNWCLADGYDLEILDGTRGTVD
 GPRNELSRVSKKNIFLLFKKLCSEFRYRRDLLRLSYGEAKKAARDYETAKNYFKKGLK
 DMGYGNWISKPQEEKNFYLCPVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ADAR adenosine deaminase RNA specific [Homo sapiens (human)]
Official Symbol	ADAR
Synonyms	ADAR; adenosine deaminase, RNA-specific; G1P1, IFI4, interferon induced protein 4; double-stranded RNA-specific adenosine deaminase; ADAR1; dsRNA adenosine deaminase; interferon-induced protein 4; interferon-inducible protein 4; adenosine deaminase acting on RNA 1-A; 136 kDa double-stranded RNA-binding protein; DSH;

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G1P1; IFI4; P136; DRADA; DSRAD; IFI-4; K88DSRBP;

Gene ID 103

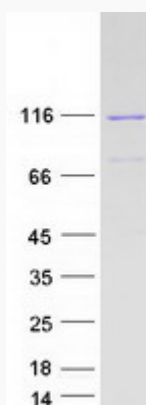
mRNA Refseq NM_001025107

Protein Refseq NP_001020278

MIM 146920

UniProt ID P55265

SDS-PAGE



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