

# 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  
 IEQSGPPHEPRFKFQVVINGREFPPAEAGSKKQDAAMKAMTILLEEAKAKDSGK  
 SEESHYSTEKESEKTAESQTPTPSATSFSGKSPVTTLLECMHKLGN SCEFRLLSK  
 EGPAHEPKFQYCVAVGAQTFPSVSAPSKKQMAAEEAMKALHGEATNSMASDN  
 QPEGMISESLDNLESMPNPKVRKIGELVRYLNTNPVGG LLEYARSHGFAAEFKLVD

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QSGPPHEPKFVYQAKVGGRWFPVCAHSHKQKQEAADAALRVLIGENKAERMG  
 FTEVTPVTGASLRRTMLLSRSPEAQPKTLPLTGSTFHDQIAMLSHRCFNTLTNSFQ  
 PSLGRKILAAIIMKKDSEDMGVVSLGTGNRCVKGDSLKGETVNDCHAEIISRRG  
 FIRFLYSELMKYNSQTAKDSIFEPAKGGEKLQIKKTVSFHLYISTAPCGDGFALFDKSC  
 SDRAMESTESRHYPVFENPKQGKLRRTKVENGEGTIPVSSDIVPTWDGIRLGERLRT  
 MSCSDKILRWNVLGLQGALLTHFLQPIYLKSVTLGYLFSQGHLTRAIACRVTRDGSFAF  
 EDGLRHFPFIVNHPKVGRVSIYDSKRQSGKTKETSVNWCLADGYDLEILDGTRGTVD  
 GPRNELSRVSKKNIFLLFKKLCSEFRYRRDLLRLSYGEAKKAARDYETAKNYFKKGLK  
 DMGYGNWISKPQEEKNFYLCVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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**

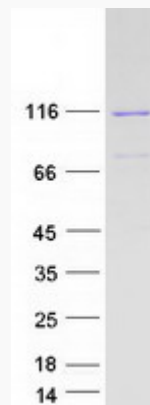
ADAR; adenosine deaminase, RNA-specific; G1P1, IFI4, interferon induced protein 4; double-stranded RNA-specific adenosine deaminase; ADAR1; dsRNA adenosine deaminase; interferon-induced protein 4; interferon-inducible protein 4; adenosine deaminase acting on RNA 1-A; 136 kDa double-stranded RNA-binding 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** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA