Recombinant Human ADAR protein, MYC/DDK-tagged

Cat. No. ADAR-528H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAR, transcript variant 4, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-1226 aa
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	103.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	ADAR adenosine deaminase, RNA-specific [Homo sapiens]
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; G1P1; IFI4; P136; DRADA; DSRAD; IFI-4; K88DSRBP;
Gene ID	103
mRNA Refseq	NM_001025107
Protein Refseq	NP_001020278
MIM	146920
UniProt ID	P55265
Chromosome Location	1q21.3
Pathway	C6 deamination of adenosine, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Formation of editosomes by ADAR proteins, organism-specific biosystem; Gene Expression, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	DNA binding; double-stranded RNA adenosine deaminase activity; double-stranded

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	RNA adenosine deaminase activity; double-stranded RNA binding; hydrolase activity; metal ion binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA