

Recombinant Human ADAR protein, GST-tagged

Cat. No. ADAR-529H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADAR(2 a.a. - 110 a.a.)fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	2-110 a.a.
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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	37.73 kDa
AA Sequence	NPRQGYSLSGYYTHPFQGYEHRQLRYQQPGPGSSPSSFLLKQIEFLKGQLPEAPVI GKQTPSLPPSLPGLRPRFP VLLASSTRGRQVDIRGVPRGVHLGSQGLQRGFQH
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
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_001111
Protein Refseq	NP_001102
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,

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

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