

Recombinant Full Length Human ADAR Protein, His&GST tagged

Cat. No. ADAR-21H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human ADAR1 (p110) was expressed by baculovirus in Sf9 insect cells using an N-terminal His-GST tag
Species	Human
Source	Sf9 Cells
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.
Purity	>70%
Stability	1 year at –70 centigrade from date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Storage Buffer	Recombinant protein stored 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM

 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

	imidazole, 0.25mM DTT, 25% glycerol.
Concentration	0.09 µg/µL
Shipping	Dry ice
Reference	1. Song, B. et al.: The role of RNA editing enzyme ADAR1 in human disease. WIRES RNA. 2022;13(1):e1665. 2. Shiromoto, S. M. et al.: Y. ADAR1 controls apoptosis of stressed cells by inhibiting Staufen1-mediated mRNA decay. Nature Structural and Molecular Biology. 2017; 24(6), 534–543

GENE INFORMATION

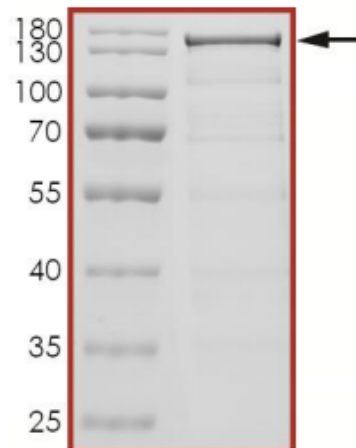
Gene Name	ADAR adenosine deaminase RNA specific [Homo sapiens (human)]
Official Symbol	ADAR
Synonyms	ADAR; adenosine deaminase RNA specific; DSH; AGS6; G1P1; IFI4; P136; ADAR1; DRADA; DSRAD; IFI-4; K88DSRBP
Gene ID	103
mRNA Refseq	NM_001025107
Protein Refseq	NP_001020278
MIM	146920
UniProt ID	Q9BYM4

 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

Purity



The purity of ADAR1 (p110) was determined to be >70% by densitometry. Observed MW ~150 kDa Calculated MW ~146 kDa.

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