

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](#)

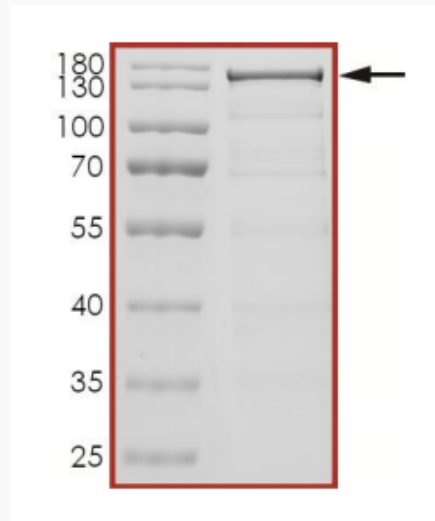
UniProt ID [Q9BYM4](#)

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Purity



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

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