

Recombinant Human ADAR Protein, His tagged

Cat. No. ADAR-20H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant human ADAR1 (p150) (2-1226) was expressed by baculovirus in Sf9 insect cells using an Nterminal His tag |
| Species | Human |
| Source | Sf9 Cells |
| ProteinLength | 2-1226 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 imidazole, 0.25mM DTT, 25% glycerol. |

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|----------------------|---|
| Concentration | 0.02 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. Quin. J. et al.: ADAR RNA Modifications, the Epitranscriptome and Innate Immunity. Trends Biochem Sci. 2021;46(9):758-771. |

GENE INFORMATION

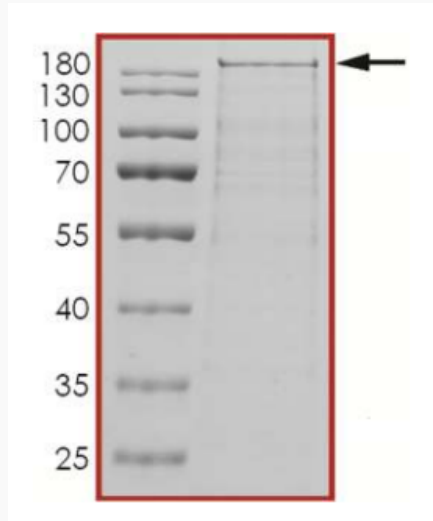
| | |
|------------------------|---|
| Gene Name | ADAR adenosine deaminase RNA specific [Homo sapiens (human)] |
| Official Symbol | ADAR |
| Synonyms | ADAR; adenosine deaminase RNA specific; DSH; AGS6; G1P1; IFI4; P136; ADAR1; DRADA; DSRAD; IFI-4; K88DSRBP |
| Gene ID | 103 |
| mRNA Refseq | NM_001111 |
| Protein Refseq | NP_001102 |
| MIM | 146920 |
| UniProt ID | Q9BYM4 |

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Purity



The purity of ADAR1 (p150) was determined to be >70% by densitometry. Observed MW ~200 kDa Calculated MW ~155 kDa.

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