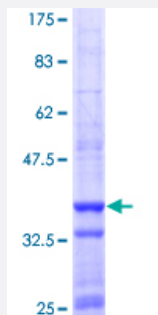


ADAR (Human) Recombinant Protein (Q01)

Catalog # H00000103-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADAR partial ORF (NP_001102.2, 2 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NPRQGYSLSGYYTHPFQGYEHRQLRYQQPGPGSSPSSFLKQIEFLKGQLPEAPVIGKQTPSLPP SLPGLRPRFPVLLASSTRGRQVDIRGVPRGVHLGSQGLQRGFQH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (52); Rat (56)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADAR

Entrez GeneID [103](#)

GeneBank Accession# [NM_001111](#)

Protein Accession# [NP_001102.2](#)

Gene Name ADAR

Gene Alias ADAR1, DRADA, DSH, DSRAD, G1P1, IFI4, IF4, K88dsRBP, p136

Gene Description adenosine deaminase, RNA-specific

Omim ID [127400](#) [146920](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations 136 kDa double-stranded RNA binding protein|OTTHUMP00000035372|OTTHUMP00000035373|adenosine deaminase acting on RNA 1-A|double-stranded RNA-specific adenosine deaminase|interferon-induced protein 4|interferon-inducible protein 4

Pathway

- [Atrazine degradation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Multiple Sclerosis](#)
- [Tobacco Use Disorder](#)