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Product datasheet for TP701139

ADAR Mutant (K744R) Human Recombinant Protein

Product data:

Product Type:	Mutant Proteins
Description:	Purified mutant recombinant protein of Human adenosine deaminase, RNA-specific (ADAR), transcript variant 4□mutation at□K744R)
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC219761, encoding the full-length of ADAR(K744R)
Tag:	Myc-DDK
Predicted MW:	103.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 12 months from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001020278.1
Locus ID:	103
RefSeq Size:	6532
Cytogenetics:	1q21.3
RefSeq ORF:	2796
Synonyms:	ADAR1; AGS6; DRADA; DSH; DSRAD; G1P1; IFI-4; IFI4; K88DSRBP; P136

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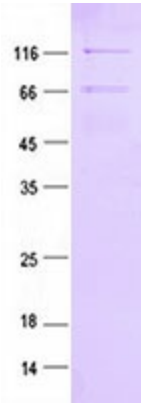
Summary: This gene encodes the enzyme responsible for RNA editing by site-specific deamination of adenosines. This enzyme destabilizes double-stranded RNA through conversion of adenosine to inosine. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010]

Protein Families: Druggable Genome

Protein Pathways: Cytosolic DNA-sensing pathway

Product images:



Purified recombinant protein ADAR (K744R) was analyzed by SDS-PAGE gel and Coomossie Blue Staining.