Recombinant Human ADAR Mutant (K744R) Protein, Myc/DDK-tagged

Cat. No. ADAR-127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified mutant recombinant protein of Human adenosine deaminase, RNA-specific (ADAR), transcript variant 4, mutation at(K744R) with a Myc/DDK tag was expressed in HEK293
Species	Human
Source	HEK293
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.
Molecular Mass	103.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 12 months from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	> 50 μg/mL as determined by microplate Bradford method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

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; double-stranded RNA-specific adenosine deaminase; 136 kDa double-stranded RNA-binding protein; adenosine deaminase acting on RNA 1-A; dsRNA adenosine deaminase; dsRNA adeonosine deaminase; interferon-induced protein 4; interferon-inducible protein 4; EC 3.5.4.37
Gene ID	103
mRNA Refseq	NM_001025107
Protein Refseq	NP_001020278
MIM	146920
UniProt ID	P55265

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SDS-PAGE

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

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