

Recombinant human Adenosine deaminase 2/ADA2 protein

Catalog Number: ATGP3348

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

30-511aa

UniProt No.

Q9NZK5

NCBI Accession No.

NP_001269154

Alternative Names

Adenosine deaminase CECR1 isoform, CECR1, ADA2, ADGF, IDGFL, PAN, SNEDS, Cat eye syndrome critical region protein 1

PRODUCT SPECIFICATION

Molecular Weight

56.9 kDa (490aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CECR1, also known as adenosine deaminase CECR1 isoform, is a member of a family of adenosine deaminase-related growth factors. Adenosine deaminase is one of the key enzymes of purine nucleotide metabolism. CECR1 is a secreted protein that is expressed in many tissues, with the highest expression in lymphoblasts, heart, lung,

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and placenta. Recombinant human CECR1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

IDETRAHLLL KEKMMRLGGR LVLNTKEELA NERLMTLKIA EMKEAMRTLI FPPSMHFFQA KHLIERSQVF NILRMMPKGA
ALHLHDIGIV TMDWLVNRVT YRPHCHICFT PRGIMQFRFA HPTPRPSEKC SKWILLEDYR KRVQNVTEFD DSSLRNFTLV
TQHPEVIYTN QNVVWSKFET IFFTISGLIH YAPVFRDYVF RSMQEFYEDN VLYMEIRARL LPVYELSGEH HDEEWSVKTY
QEVAQKFVET HPEFIGIKII YSDHRSKDVA VIAESIRMAM GLRIKFPTVV AGFDLVGHED TGHSLHDYKE ALMIPAKDGV
KLPYFFHAGE TDWQGTSIDR NILDALMLNT TRIGHGFALS KHPAVRTYSW KKDIPIEVCP ISNQVLKLVS DLRNHPVATL
MATGHMPMVIS SDDPAMFGAK GLSYDFYEVF MGIGGMKADL RTLKQLAMNS IKYSTLLESE KNTFMEIWKK RWDKFIADVA
TKLEHHHHHH

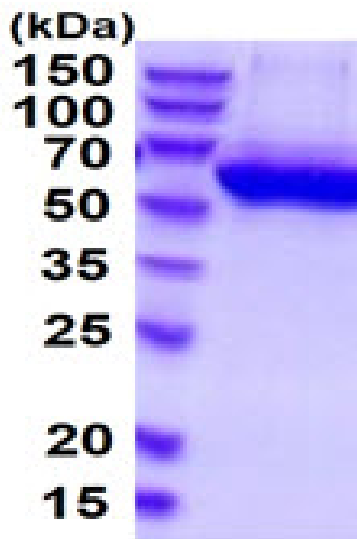
General References

Zavialov AV., et al. (2005) *Biochem J.* 391:51-57.

Riazi MA., et al. (2000) *Genomics.* 64:277-285.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)