

Active Recombinant Human ADA2 Protein, His-tagged

Cat. No. ADA2-281H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADA2 Protein (Ile30-Lys511) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	30-511 a.a.
Description	This gene encodes a member of a subfamily of the adenosine deaminase protein family. The encoded protein is one of two adenosine deaminases found in humans, which regulate levels of the signaling molecule, adenosine. The encoded protein is secreted from monocytes undergoing differentiation and may regulate cell proliferation and differentiation. This gene may be responsible for some of the phenotypic features associated with cat eye syndrome. Alternative splicing results in multiple transcript variants.
Bio-activity	Measured by the ability to catalyze the hydrolytic deamination of adenosine to inosine. The specific activity is >14,000 pmol/min/μg.
Molecular Mass	57 kDa
N-terminal Sequence Analysis	Ile30

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1.0 EU/μg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 μm filtered solution in HEPES, NaCl, Glycerol.

GENE INFORMATION

Gene Name	ADA2 adenosine deaminase 2 [Homo sapiens (human)]
Official Symbol	ADA2
Synonyms	ADA2; adenosine deaminase 2; PAN; ADGF; CECR1; IDGFL; SNEDS; VAIHS; adenosine deaminase 2; adenosine deaminase CECR1; cat eye syndrome chromosome region, candidate 1; cat eye syndrome critical region protein 1; EC 3.5.4.4
Gene ID	51816
mRNA Refseq	NM_177405
Protein Refseq	NP_803124
MIM	607575
UniProt ID	Q9NZK5

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