

Recombinant Human ADA Protein, GST-tagged

Cat. No. ADA-268H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADA full-length ORF (AAH40226.1, 1 a.a. - 363 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes an enzyme that catalyzes the hydrolysis of adenosine to inosine. Various mutations have been described for this gene and have been linked to human diseases. Deficiency in this enzyme causes a form of severe combined immunodeficiency disease (SCID), in which there is dysfunction of both B and T lymphocytes with impaired cellular immunity and decreased production of immunoglobulins, whereas elevated levels of this enzyme have been associated with congenital hemolytic anemia. [provided by RefSeq, Jul 2008]
Molecular Mass	65.45 kDa
AA Sequence	MAQTPAFDKPKVELHVHLDGSIKPETILYYGRRRGIALPANTAEGLLNVIGMDKPLTL PDFLAKFDYYMPAAGCREAIKRIAYEFVEMKAKEGVVYVEVRYSPHLLANSKVEPIP WNQAEGDLTPDEVVALVGQGLQEGERDFGVKARSILCCMRHQPNWSPKVVELCKK YQQQTVVAIDLAGEDETIPGSSLLPGHVQAYQEAVKSGIHRTVHAGEVGSAEVVKEAV DILKTERLGHGYHTLEDQALYNRLRQENMHFEICPWSSYLTGAWKPDTEHAVIRLKN DQANYSLNTDDPLIFKSTLTDYQMTKRDMGFTEEEFKRLNINAAKSSFLPEDEKRE LLDILLYKAYGMPPSASAGQNL

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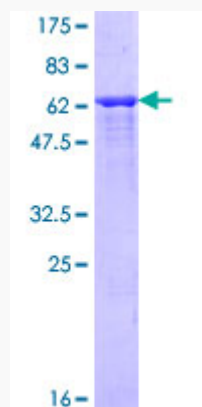
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ADA adenosine deaminase [Homo sapiens]
Official Symbol	ADA
Synonyms	ADA; adenosine deaminase; adenosine aminohydrolase;
Gene ID	100
mRNA Refseq	NM_000022
Protein Refseq	NP_000013
MIM	608958
UniProt ID	P00813

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12.5% SDS-PAGE Stained with Coomassie Blue.

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