

Recombinant Full Length Human ADO Protein, GST-tagged

Cat. No. ADO-970HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADO full-length ORF (ENSP00000362888, 1 a.a. - 228 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	228 amino acids
Description	Human thiol dioxygenases include cysteine dioxygenase (CDO; MIM 603943) and cysteamine (2-aminoethanethiol) dioxygenase (ADO; EC 1.13.11.19). CDO adds 2 oxygen atoms to free cysteine, whereas ADO adds 2 oxygen atoms to free cysteamine to form hypotaurine (Dominy et al., 2007 [PubMed 17581819]).[supplied by OMIM, Mar 2008]
Molecular Mass	51.8 kDa
AA Sequence	MQPGFPENLS KLKSLLTQLR AEDLNIAPRK ATLQPLPPNL PPVTYMHIYE TDGFSLGVFL LKSGTSIPLH DHPGMHGMLK VLYGTVRISC MDKLDAGGGQ RPRALPPEQQ FEPPLQPRER EAVRPGVLRs RAEYTEASGP CILTPHRDNL HQIDAVEGPA AFLDILAPPY DPDDGRDCHY YRVLEPVRPK EASSSACDLP REVWLLETPQ ADDFWCEGEP YPGPKVFP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

 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

Antibody Production
Protein Array

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 [ADO 2-aminoethanethiol \(cysteamine\) dioxygenase \[Homo sapiens \]](#)

Official Symbol [ADO](#)

Synonyms ADO; 2-aminoethanethiol (cysteamine) dioxygenase; C10orf22, chromosome 10 open reading frame 22; 2-aminoethanethiol dioxygenase; cysteamine dioxygenase; FLJ14547; cysteamine (2-aminoethanethiol) dioxygenase (ADO); C10orf22; DKFZp564C046

Gene ID [84890](#)

mRNA Refseq [NM_032804](#)

Protein Refseq [NP_116193](#)

MIM [611392](#)

UniProt ID [Q96SZ5](#)

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