Recombinant Human ADO Protein, GST-tagged

Cat. No. ADO-366H **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	Wheat Germ
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	MQPGFPENLSKLKSLLTQLRAEDLNIAPRKATLQPLPPNLPPVTYMHIYETDGFSLGV FLLKSGTSIPLHDHPGMHGMLKVLYGTVRISCMDKLDAGGGQRPRALPPEQQFEPP LQPREREAVRPGVLRSRAEYTEASGPCILTPHRDNLHQIDAVEGPAAFLDILAPPYDP DDGRDCHYYRVLEPVRPKEASSSACDLPREVWLLETPQADDFWCEGEPYPGPKVF P
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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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	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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