

## Recombinant Human ADO Protein, GST-tagged

**Cat. No.** ADO-366H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Human ADO full-length ORF ( ENSP00000362888, 1 a.a. - 228 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Wheat Germ  |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 51.8 kDa  |
| <b>AA Sequence</b>      | MQPGFPENLSKLLKSLTQLRAEDLNIAPRKATLQPLPPNLPPVTYMHYETDGFSLGV<br>FLLKSGTSLPHDHPGMHGMMLKVLYGTVRISCMDKLDAGGGQRPRALPPEQQFEP<br>LQPREREAVRPGVLRSAEYTEASGPCILTPHRDNLHQIDAVEGPAAFDILAPPYDP<br>DDGRDCHYYRVLEPVRPKEASSSACDLPREVWLLLETPQADDFWCEGEPYPGPKVF<br>P   |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array   |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                       |  |
|-----------------------|--|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | ADO 2-aminoethanethiol (cysteamine) dioxygenase [ Homo sapiens ]  |
| <b>Official Symbol</b> | ADO   |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 84890   |
| <b>mRNA Refseq</b>     | NM_032804   |
| <b>Protein Refseq</b>  | NP_116193   |
| <b>MIM</b>             | 611392  |
| <b>UniProt ID</b>      | Q96SZ5  |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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