

Full-Length

ADO (Human) Recombinant Protein (P01)

Catalog # H00084890-P01

Size 50 ug

Specification

Product Description	Human ADO full-length ORF (ENSP00000362888, 1 a.a. - 228 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MQPGFPENLSKLKSLTQLRAEDLNAPRKATLQPLPPNLPPVTYMHYETDGFSLGVFLKSGTSLPLHDHPGMHGMLKVLYGTVRISCMDKLDAGGGQRPRALPPEQQFEPPLQPREREAVRPGVLRSLRAEYTEASGPCILTPHRDNLHQIDAVEGPAAFLDILAPPYDPDDGRDCHYYRVLEPVRPKEASSSACDLPREVWLLETPQADDFWCEGEPYPGPKVFP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51.8
Interspecies Antigen Sequence	Mouse (86); Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production

- Protein Array

Gene Info — ADO

Entrez GeneID	84890
GeneBank Accession#	ENST00000373783
Protein Accession#	ENSP00000362888
Gene Name	ADO
Gene Alias	C10orf22, DKFZp564C046, FLJ14547
Gene Description	2-aminoethanethiol (cysteamine) dioxygenase
Omim ID	611392
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000062121 cysteamine (2-aminoethanethiol) dioxygenase (ADO) cysteamine dioxygenase

Pathway

- [Metabolic pathways](#)
- [Taurine and hypotaurine metabolism](#)