

Product datasheet for **TP305583M**

ADO (NM_032804) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 2-aminoethanethiol (cysteamine) dioxygenase (ADO), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205583 protein sequence Red =Cloning site Green =Tags(s)

MPRDNMASLIQRIARQACLTFRGSWGGRGASDRDAASGAEAPMQPGFPENLSKLSLLTQLRAEDLNIAP
RKATLQPLPPNLPPVTYMHYETDGFSLGVFLKSGTSLPHDHPGMHGMLKVLYGTVRISCMDKLDAGG
GQRPRALPPEQQFEPPLQPREREAVRPGVLRSAEYTEASGPCILTPHRDNLHQIDAVEGPA AFLDILAP
PYDPDDGRDCHYYRVLEPVRPKEASSACDLPREVVLLLETPQADDFWCEGEPYPGPKVFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	29.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_116193
Locus ID:	84890
UniProt ID:	Q96SZ5 , B3KXN9



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RefSeq Size: 3739

Cytogenetics: 10q21.3

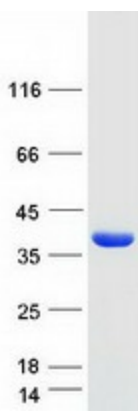
RefSeq ORF: 810

Synonyms: C10orf22

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, Mar 2008]

Protein Pathways: Metabolic pathways, Taurine and hypotaurine metabolism

Product images:



Coomassie blue staining of purified ADO protein (Cat# [TP305583]). The protein was produced from HEK293T cells transfected with ADO cDNA clone (Cat# [RC205583]) using MegaTran 2.0 (Cat# [TT210002]).