

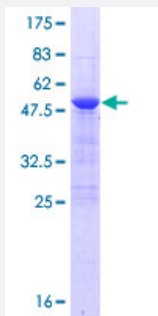
Full-Length

OAZ3 (Human) Recombinant Protein (P01)

Catalog # H00051686-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human OAZ3 full-length ORF (AAH73949.1, 1 a.a. - 190 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTVPWRPGKRRITYKEEEDLTQPRPASSAPESLVGLQEGKSTEQGNHDQLKELYSAGNLTVLAT DPLLHQDPVQLDFHFRLTSQTSAHWHGLLCDRRLFLDIPYQALDQGNRESLTATLEYVEEKTNVD SVFVNFQNRDRGALLRAFSYMGFEVVRPDHPALPPLDNVIFMVYPLERDVGHLPSEPP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	48.1
Interspecies Antigen Sequence	Mouse (81); Rat (78)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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 — OAZ3

Entrez GeneID [51686](#)

GeneBank Accession# [BC073949.1](#)

Protein Accession# [AAH73949.1](#)

Gene Name OAZ3

Gene Alias AZ3, OAZ-t, TISP15

Gene Description ornithine decarboxylase antizyme 3

Omim ID [605138](#)

Gene Ontology [Hyperlink](#)

Gene Summary Ornithine decarboxylase catalyzes the conversion of ornithine to putrescine in the first and apparently rate-limiting step in polyamine biosynthesis. The ornithine decarboxylase antizymes play a role in the regulation of polyamine synthesis by binding to and inhibiting ornithine decarboxylase. Antizyme expression is auto-regulated by polyamine-enhanced translational frameshifting. In contrast to antizymes 1 and 2, which are widely expressed throughout the body, the expression of this gene product (antizyme 3) is restricted to testis germ cells, and thus it is a possible candidate for heritable forms of human male infertility. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations antizyme 3

Disease

- [Genetic Predisposition to Disease](#)
- [Infertility](#)