

Recombinant Human OAZ3 cell lysate

Cat. No. OAZ3-1243HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	OAZ3[ornithine decarboxylase antizyme 3 [?Homo sapiens?(human)]
Official Symbol	OAZ3

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Synonyms	OAZ3; ornithine decarboxylase antizyme 3; AZ3; OAZ-t; TISP15; ornithine decarboxylase antizyme 3; ODC-Az 3; antizyme 3
Gene ID	51686
mRNA Refseq	NM_001134939
Protein Refseq	NP_001128411
MIM	605138
UniProt ID	Q9UMX2
Chromosome Location	1q21.3
Pathway	Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Regulation of ornithine decarboxylase (ODC), organism-specific biosystem
Function	ankyrin repeat binding; ornithine decarboxylase inhibitor activity; protein binding

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