
Product Data Sheet

Product Name: OAZ1 Human
 Cat. No.: GP24088
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ornithine decarboxylase antizyme 1; OAZ; ODC-Az; AZI; antizyme 1; MGC138338.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMVKSSLQ RILNSHCFAR EKEGDKPSAT IHASRTMPLL SLHSRGGSSS ESSRVSLHCC SNPGGPRWC SDAPHPPLKI PGGRGNSQRD HNLSANLFYS DDRLNVTEEL TSNDKTRILN VQSRLTDAKR INWRTVLSGG SLYIEIPGGA LPEGSKDSFA VLLEFAEEQL RADHVFICFH KNREDRAALL RTFSFLGFEI VRPGHPLVPK RPDACFMAYT FERESSGEEE E		
Formulation	The OAZ1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 30% glycerol.		

Introduction

OAZ1 is a member of the ODC antizyme family. OAZ1 is auto-regulated expressed by polyamine-enhanced translational frame shifting. OAZ1 negatively controls polyamine synthesis by increasing the negative feedback loop regulating ornithine decarboxylase (ODC) activity. The OAZ1 protein inhibits ornithine decarboxylase and speeds up its detracton.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

OAZ1 Human Recombinant produced in E. coli is a single polypeptide chain containing 251 amino acids (1-228) and having a molecular mass of 27.8 kDa. OAZ1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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