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## Product Data Sheet

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Product Name: LMO1 Human  
 Cat. No.: GP23826  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Rhombotin-1; Cysteine-rich protein TTG-1; LIM domain only protein 1; T-cell translocation protein 1; RBTN1; RHOM1; TTG1; LMO-1; LMO1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMVLDKE DGVPMLSVQP KKGKQKGCAGC NRKIKDRYLL KALDKYWHED CLKCACCD CR LGEVGSTLYT KANLILCRRD YLRLF GTTGN CAACSKLIPA FEMVMRARDN VYHLDCFACQ LCNQRFCVGD KFFLKNNMIL CQMDYEEGQL NGTFESQVQ		
Formulation	LMO1protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

### Introduction

LIM domain only 1 (LMO1) is a protein-coding gene. LMO1 encodes a transcriptional regulator which contains two cysteine-rich LIM domains but lacks a DNA-binding domain. LIM domains might play a part in protein interactions; hence the protein may regulate transcription by competitively binding to specific DNA-binding transcription factors.

### 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

LMO1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids (1-156 a.a) and having a molecular mass of 20.2kDa. LMO1 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