

Recombinant Human LMO2 Protein, His-tagged

Cat. No. LMO2-2399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LMO2 Protein (Met1-Gly156) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Gly156
Description	LMO2 encodes a cysteine-rich, two LIM-domain protein that is required for yolk sac erythropoiesis. The LMO2 protein has a central and crucial role in hematopoietic development and is highly conserved. The LMO2 transcription start site is located approximately 25 kb downstream from the 11p13 T-cell translocation cluster (11p13 ttc), where a number T-cell acute lymphoblastic leukemia-specific translocations occur. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.8 kDa Accurate Molecular Mass: 22 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	LMO2 LIM domain only 2 (rhombotin-like 1) [Homo sapiens (human)]
Official Symbol	LMO2
Synonyms	LMO2; LIM domain only 2 (rhombotin-like 1); RBTN1; rhombotin-2; RBTN2; RHOM2; rhombotin like 1; T cell translocation gene 2; TTG2; LMO-2; rhombotin 2; rhombotin-like 1; LIM domain only protein 2; T-cell translocation gene 2; cysteine-rich protein TTG-2; T-cell translocation protein 2;
Gene ID	4005
mRNA Refseq	NM_001142315
Protein Refseq	NP_001135787

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MIM	180385
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UniProt ID	P25791
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