Recombinant Human LMO2 293 Cell Lysate

Cat. No. LMO2-4710HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for LIM domain only 2 (rhombotin-like 1) (LMO2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	LMO2 LIM domain only 2 (rhombotin-like 1) [Homo sapiens]
Official Symbol	LMO2
Synonyms	LMO2; LIM domain only 2 (rhombotin-like 1); RBTNL1; 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
MIM	180385
UniProt ID	P25791
Chromosome Location	11p13
Pathway	Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	DNA binding; E-box binding; RNA polymerase II activating transcription factor binding; RNA polymerase II regulatory region sequence-specific DNA binding; RNA polymerase II transcription factor binding transcription factor activity involved in positive regulation of transcription; bHLH transcription factor binding; chromatin binding; cofactor binding; metal ion binding; protein binding; sequence-specific DNA binding RNA polymerase II transcription factor activity; zinc ion binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA