

Recombinant Human LMO2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LMO2-777H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LMO2 MS Standard C13 and N15-labeled recombinant protein (NP_005565) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	18.2 kDa
AA Sequence	MSSAIERKSLDPSEEPVDEVLQIPPSLLTCGGCQQNIGDRYFLKAIDQYWHEDCLSC DLGCGRLGEVGRRLYYKLGRKLCRRDYLRFLFGQDGLCASCDKRIRAYEMTMRVKD KVYHLECFKCAACQKHFCVGDYRLLNSDIVCEQDIYEWTKINGMITRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	LMO2 LIM domain only 2 [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_005574
Protein Refseq	NP_005565
MIM	180385
UniProt ID	P25791