



# Recombinant Human Leiomodin-1 (LMOD1)

<b>Product Code</b>	CSB-EP013013HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P29536
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSRVAKYRRQ VSEDPDIDSL LETLSPEEME ELEKELDVVD PDGSVPVGLR QRNQTEKQST GVYNREAMLN FCEKETKKLM QREMSMDESK QVETKTKDAKN GEERGRDASK KALGPRRDSD LGKEPKRGGL KKSFSRDRDE AGGKSGEKPK EEKIIRGIDK GRVRAAVDKK EAGKDGRGEE RAVATKKEEE KKGSDRNTGL SRDKDKKREE MKEVAKKEDD EKVKGERRNT DTRKEGEKMK RAGGNTDMKK EDEKVKRGTG NTDTKKDDEK VKKNEPLHEK EAKDDSKTKT PEKQTPSGPT KPSEGPAKVE EEAAPSIFDE PLERVKNNDP EMTEVNVNNS DCITNEILVR FTEALEFNTV VKLFALANTR ADDHVAFIA IMLKANKTIT SLNLDSNHIT GKGILAFRA LLQNNTLTEL RFHNQRHICG GKTEMEIAKL LKENTLLKL GYHFELAGPR MTVTNLLSRN MDKQRQKRLQ EQRQAQEAAG EKKDLLEVPK AGAVAKGSPK PSPQPSPKPS PKNSPKKGGA PAAPPPPPP LAPPLIMENL KNSLSPATQR KMGDKVLPQA EKNSRDQLLA AIRSSNLKQL KKVEVPKLLQ
<b>Source</b>	E.coli
<b>Target Names</b>	LMOD1
<b>Protein Names</b>	Recommended name: Leiomodin-1 Alternative name(s): 64 kDa autoantigen 1D 64 kDa autoantigen 1D3 64 kDa autoantigen D1 Leiomodin, muscle form Smooth muscle leiomodin Short name= SM-Lmod Thyroid-associated ophthalmopathy a
<b>Expression Region</b>	1-600
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	The leiomodin 1 protein has a putative membrane-spanning region and 2 types of tandemly repeated blocks. The transcript is expressed in all tissues tested, with the highest levels in thyroid, eye muscle, skeletal muscle, and ovary. Increased expression of leiomodin 1 may be linked to Graves disease and thyroid-associated ophthalmopathy.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.