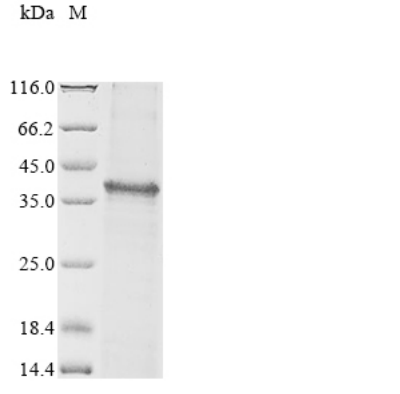
Recombinant Mouse Tenomodulin (Tnmd), partial

Product Code	CSB-YP024007MO
Abbreviation	Recombinant Mouse Tnmd protein, partial
Storage	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.
Uniprot No.	Q9EP64
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	KHFWPEVSKKTYDMEHTFYSNGEKKKIYMEIDPITRTEIFRSGNGTDETLEVHD FKNGYTGIYFVGLQKCFIKTQIKVIPEFSEPEEEIDENEEITTTFFEQSVIWVPAE KPIENRDFLKNSKILEICDNVTMYWINPTLIAVSELQDFEEDGEDLHFPTSEKKGI DQNEQWVVPQVKVEKTRHTRQASEEDLPINDYTENGIEFDPMLDERGYCCIY CRRGNRYCRRVCEPLLGYYPYPYCYQGGRVICRVIMPCNWWVARMLGRV
Research Area	Others
Source	Yeast
Target Names	Tnmd
Expression Region	51-317aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	34.1 kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Recombinant Mouse Tnmd Protein is encoded by Tnmd gene — recombinant Tnmd DNA — that has integrated foreign plasmids into the Yeast genome, the foreign DNA is replicated along with the host DNA. In addition, the expression of foreign proteins requires the use of specialized expression vectors and often necessitates the significant restructuring of the foreign coding sequence. The subsequent expression process includes small-scale expression, protein identification, large-scale expression, and protein purification. The purity of this recombinant Tnmd is 85%+.

Tnmd (also known as Chm1l) is a gene encoding a protein named tenomodulin (short name is TeM) or chondromodulin-1-like protein (short name is ChM1L). The protein encoded by this gene, also referred to as tendin or myodulin, was discovered as a gene sharing high similarity with the already known chondromodulin-1 in 2001. It is a type II transmembrane protein characteristically expressed in dense connective tissues, such as tendons and ligaments. Currently, this protein has been reported as a tendon/ligament-specific marker and anti-angiogenic factor with abundant expression in the intervertebral disc (IVD).

Shelf Life

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