

Recombinant Mouse Collagen III protein (His tag) ab196093

描述

产品名称	重组小鼠Collagen III蛋白(His tag)
纯度	> 95 % SDS-PAGE. Purity greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
内毒素水平	< 1.000 Eu/μg
表达系统	HEK 293 cells
Accession	<u>P08121</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Mouse
序列	QFDSYDVKSGVGGMGYPGPAGPPGPPGPPGSSGHPGSPGSP GYQGPPGE PGQAGPAGPPGPPGALGPAGPAGKDGESGRPGRPERGLPGP PGIKGPAG MPGFPGMKGHRGFDGRNGEKGETGAPGLKGENGLPGDNGAPG PMGPRGAP GERGRPGLPGAAGARGNDGARGSDGQP GPPGPPGTAGFP GSP GAKGEVGP AGSPGSNGSPGQRGEPGPQGHAGAQP GPPGPPGNNGSPGGKGE MPAGIPG APGLIGARGPPGPAGTNGIPGTRGPSGEPGKNGAKGEPGARG ERGEAGSP GIPGPKGEDGKDGSPEPGANGLPGAAGERGPSGFRGPAGPN GIPGEKGP PGERGGPGPAGPRGVAGEPGRDGTGGPGIRGMPGSPGGPGN DGKPGPPG SQGESGRPGPPGPSGRGQPGVMGFPGPKGNDGAPGKNGERG GPGGGLP GPAGKNGETGPQPPGPTGPAGDKGDSGPPGPQGLQGIPGTG GPPGENGK PGEPGPKGEVGAPGAPGGKGDGAPGERGPPGTAGIPGARGG AGPPGPEG GKGPAGPPGPPGASGSPGLQGMPGERGGGSPGPKGEKGEPE GAGADGVP GKDGPRGPAGPIGPPGPAGQP GDKGEGGSPGLPGIAGPRGGP

GERGEHGP
PGPAGFPGAPQNGEPGAKGERGAPGEKGEKGGPPGAGPTGS
SGPAGPPG
PQGVKGERGSPGGPGTAGFPGGRGLPGPPGNNGNPGPPGSPG
APGKDGPP
GPAGNSGSPGNPGIAGPKGDAGQPGEKGGPGAQGGPPGSPGPL
GIAGLTGA
RGLAGPPGMPGPRGSPGPQGIKGESGKPGASGHNGERGGPPG
QGLPGQPG
TAGEPGRDGNPGSDGQGRDGSPPGGKDRGENGSPGAPGAPG
HPGPPGPV
GPSGKSGDRGETGPAGPSGAPGPAGARGAPGPQGPRGDKGET
GERGSNGI
KGRGFPGNPGPPGSGAAGHQGAIGSPGPAGPRGPVGPVPHGP
PGKDGTS
HPGPIGPPGPRGNRGERGSESGHPGQPGPPGPPGAPGPPCC
GGGAAIA GVGGEKSGGFSPYYGVDDHHHHHH

预测分子量	97 kDa including tags
氨基酸	155 to 1219
标签	His tag C-Terminus
额外的序列信息	This product is the mature full length protein from aa 155 to 1219. The signal peptide and propeptides are not included.

技术指标

Our **Abpromise guarantee** covers the use of **ab196093** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
	HPLC
形式	Liquid

制备和贮存

稳定性和存储	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 4.50 Constituents: 0.87% Sodium chloride, 0.16% Sodium acetate
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常规信息

功能	Collagen type III occurs in most soft connective tissues along with type I collagen.
疾病相关	Defects in COL3A1 are a cause of Ehlers-Danlos syndrome type 3 (EDS3) [MIM:130020]; also known as benign hypermobility syndrome. EDS is a connective tissue disorder characterized by hyperextensible skin, atrophic cutaneous scars due to tissue fragility and joint hyperlaxity. EDS3 is a form of Ehlers-Danlos syndrome characterized by marked joint hyperextensibility without skeletal deformity. Defects in COL3A1 are the cause of Ehlers-Danlos syndrome type 4 (EDS4) [MIM:130050]. EDS

is a connective tissue disorder characterized by hyperextensible skin, atrophic cutaneous scars due to tissue fragility and joint hyperlaxity. EDS4 is the most severe form of the disease. It is characterized by the joint and dermal manifestations as in other forms of the syndrome, characteristic facial features (acrogeria) in most patients, and by proneness to spontaneous rupture of bowel and large arteries. The vascular complications may affect all anatomical areas. Defects in COL3A1 are a cause of susceptibility to aortic aneurysm abdominal (AAA) [MIM:100070]. AAA is a common multifactorial disorder characterized by permanent dilation of the abdominal aorta, usually due to degenerative changes in the aortic wall. Histologically, AAA is characterized by signs of chronic inflammation, destructive remodeling of the extracellular matrix, and depletion of vascular smooth muscle cells.

序列相似性

Belongs to the fibrillar collagen family.
Contains 1 fibrillar collagen NC1 domain.
Contains 1 VWFC domain.

翻译后修饰

Proline residues at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.
O-linked glycan consists of a Glc-Gal disaccharide bound to the oxygen atom of a post-translationally added hydroxyl group.

细胞定位

Secreted > extracellular space > extracellular matrix.

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