

Datasheet for ABIN7588084

COL4a3 Protein (AA 1-471) (His tag)



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Overview

Quantity:	100 µg
Target:	COL4a3 (COL4A3)
Protein Characteristics:	AA 1-471
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This COL4a3 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	GLPGRKGPVG DAGPPGQLGV TGPQGAPGFP GVTIPGQKGD RGPPGSRGNP GMPGPPGPPG SPVEGIKGDK GLMGEPGQRG PPGAIGDMGS PGHPGAPGVP GQPGARGDPG FYGFPGMKGK KGNSGFPGPP GPPGQSGPKG PPGVRGEPGT VKIISLPGSP GPPGSAGEPG MQGEPGPPGP PGDPGPCGPK GKPGEDGPPG TPGPTGEKGN KGCKGEQGPP GSDGLPGLKG KPGDTGPPAA GAVMRGFVFT RHSQTTAIPS CPEGTEPLYS GFSLLFVQGN EQAHGQDLGT LGSCLQRFTT MPFLFCNIND VCNFASRNDY SYWLSTPAMI PMDMAPITGR ALEPYISRCT VCEGPAIAIA VHSQTTDIPP CPAGWISLWK GFSFIMFSA GSEGAGQALA SPGSCLEEFR ASPFIECHGR GTCNYYNSY SFWLASLDPK RMFRKPIST VKAGELENII SRCQVCMKMR P
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity: > 90 %

Target Details

Target: COL4a3 (COL4A3)

Alternative Name: Collagen alpha-3 (IV) chain (COL4A3) ([COL4A3 Products](#))

Background: Recommended name: Collagen alpha-3(IV) chain

UniProt: [Q28084](#)

Pathways: [Sensory Perception of Sound](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.