

Collagen Type I Alpha 1 (COL1a1) Active Protein | COL1a1 active protein

Active Collagen Type I Alpha 1 (COL1a1)

CATALOG # AAA153033	HOST 293F Cell	APPLICATIONS Activity Assay, Cell Culture
-------------------------------	--------------------------	---

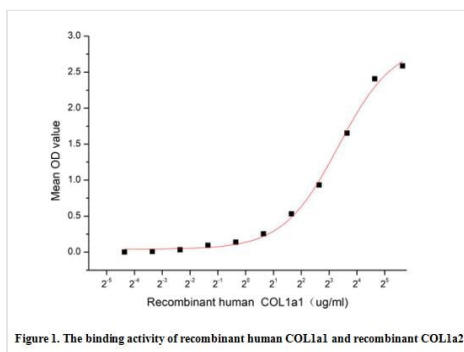
PRODUCT SYNONYMS

Collagen Type I Alpha 1 (COL1a1); Active Collagen Type I Alpha 1 (COL1a1); Collagen Type I Alpha 1; COL1a1 active protein (eukaryotic; 293F Cell); Human; COL-1A1; COL1-A1; COL1A-1; OI4; Collagen Alpha-1(I)chain; COL1a1 active protein

PRODUCT SPECIFICATIONS

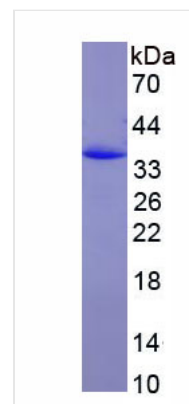
Host	293F Cell
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Asp1219~Leu1464
Applicable Applications for COL1a1 active protein	Activity Assay, Cell Culture
Expression System	Eukaryotic expression
Species	Human
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	5
Research Area	Metabolic pathway
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES



Bioactivity

Type I collagen is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. It is a heterotrimer that consists of two alpha 1 chains and one alpha 2 chain, although homotrimers consisting of three identical chains are also found.



SDS-PAGE

Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for COL1a1 active protein	Active proteins
---	-----------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439504
NCBI GeneID	1277
UniProt Accession #	P02452; O76045; P78441; Q13896; Q13902; Q13903; Q14037; Q14992; Q15176; Q15201; Q16050; Q59F64
Molecular Weight	138,941 Da
NCBI Official Full Name	Collagen alpha-1(I) chain
NCBI Official Synonym Full Names	collagen, type I, alpha 1
NCBI Official Symbol	COL1A1
NCBI Official Synonym Symbols	OI4
NCBI Protein Information	collagen alpha-1(I) chain; collagen alpha-1(I) chain; alpha-1 type I collagen; pro-alpha-1 collagen type 1; collagen alpha 1 chain type I; collagen alpha-1(I) chain preproprotein; collagen of skin, tendon and bone, alpha-1 chain
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	COL1A1
UniProt Entry Name	CO1A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/293f-cell-active-protein/collagen-type-i-alpha-1-col1a1/153033>