Recombinant Mouse COL4A2 Protein (1481-1707 aa), His-sumostar-tagged

Cat. No. COL4A2-2327M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse COL4A2 Protein (1481-1707 aa) is produced by Yeast expression system. This protein is fused with a 6xHis-sumostar tag at the N-terminal. Protein Description: Partial.
Species	Mouse
Source	Yeast
ProteinLength	1481-1707 aa
Description	Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Canstatin, a cleavage product corresponding to the collagen alpha 2(IV) NC1 domain, possesses both anti-angiogenic and anti-tumor cell activity. It inhibits proliferation and migration of endothelial cells, reduces mitochondrial membrane potential, and induces apoptosis. Specifically induces Fas-dependent apoptosis and activates procaspase-8 and -9 activity. Ligand for alphavbeta3 and alphavbeta5 integrins.
Form	Tris-based buffer,50% glycerol
Molecular Mass	41.1 kDa
AA Sequence	VSIGYLLVKHSQTDQEPMCPVGMNKLWSGYSLLYFEGQEKAHNQDLGLAGSCLAR

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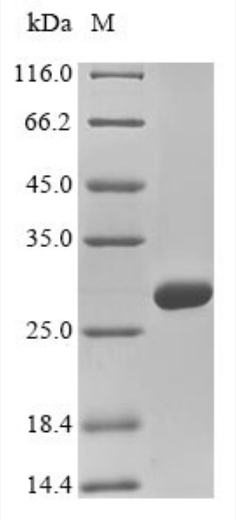
	FSTMPFLYCNPGDVCYYASRNDKSYWLSTTAPLPMMPVAEEEIKPYISRCSVCEAP AVAIAVHSQDTSIPHCPAGWRSLWIGYSFLMHTAAGDEGGGQSLVSPGSCLEDFRA TPFIECNGGRGTCHYFANKYSFWLTTIPEQNFQSTPSADTLKAGLIRTHISRCQVCM KNL
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	Col4a2 collagen, type IV, alpha 2 [Mus musculus]
Official Symbol	COL4A2
Synonyms	COL4A2; collagen, type IV, alpha 2; collagen alpha-2(IV) chain; canstatin; Col4a-2; MGC7371;
Gene ID	12827
mRNA Refseq	NM_009932

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Protein Refseq	NP_034062
UniProt ID	P08122



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

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