

Product datasheet for PH315724

COL21A1 (NM_030820) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	COL21A1 MS Standard C13 and N15-labeled recombinant protein (NP_110447)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215724
Predicted MW:	99.4 kDa
Protein Sequence:	>RC215724 protein sequence Red=Cloning site Green=Tags(s)

MAHYITFLCMVLVLLQNSVLAEDGEVRSSCRTAPTDLVFILDGYSVGPENFEIVKKWLVNITKNFDIG
PKFIQVGVVQYSDYPVLEIPLGSYDSGEHLTAAVESILYLGNTKTGKAIQFALDYLFAKSSRFLTKIAV
VLTGKSQDDVKDAAQAARDSKITLFAIGVGSETDAELRAIANKPSSTYVFYVEDYIAISKIREVMKQK
LCEESVCPTIPVAARDERGFIDLLGLDVNKKVKKRIQLSPKKIKGYEVTSKVDLSELTSNVFPEGLPPS
YVFVSTQRFKVKKIWDLWRILTIDGRPQIAVTLNGVDKILLFTTTSVINGSQVVFANPQVKTLFDEGWH
QIRLLVTEQDVTLYIDDDQIENKPLHPVLGILINGQTQIGKYSKKEETVQFDVQKLRIYCDPEQNNRETA
CEIPGFNGECLNGPSDVGSTPAPCICPPGKPGGLQGPKGDPGLPGNPGYPGQPGQDGKPGYQGIAGTPGVP
GSPGIQGARGLPYKGEPRGDGDKDRGLPGFPLHGMPSGSKGEMGAKGDKGSPGFYGGKAKGEKGNAG
FPLPGPAGEPGRHGDGLMGSPGFKGEAGSPGAPGQDTRGEPGIPGFPGNRGLMGQKGEIGPPGQQGK
KGAPGMPGLMGSNGSPGPGTPGSKGSKGEPGIQMPGASGLKGEPGATGSPGEPGYMGLPGIQGKKGDK
GNQGEKGIQGGQGENGRQGIQGGQGIQGHGAKGERGEKGEPRGAIKSGESGVDGLMPAGPKGQPG
DPGPQGGPGLDGKPGREFSEQFIRQVCTDVIRAQLPVLLQSGRIRNCDHCLSQHGSPGIPGPPGPIGPEG
PRGLPGLPGRDGVPLVGVPGRPGVRGLKGLPGRNGEKGSGFGYPGEQGGPPGPPGEGPPGISKEGPPG
DPGLPGKGDHKGPIQGQPGPPGICDPSLCFSVIARRDPFRKGPNY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.

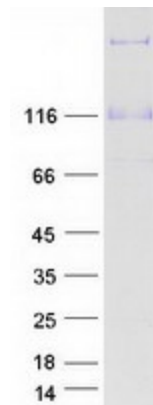


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RefSeq: [NP_110447](#)
 RefSeq Size: 4193
 RefSeq ORF: 2871
 Synonyms: COLA1L; FP633
 Locus ID: 81578
 UniProt ID: [Q96P44](#), [A0A158RFW1](#)
 Cytogenetics: 6p12.3-p11.2

Summary: This gene encodes the alpha chain of type XXI collagen, a member of the FACIT (fibril-associated collagens with interrupted helices) collagen family. Type XXI collagen is localized to tissues containing type I collagen and maintains the integrity of the extracellular matrix. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Coomassie blue staining of purified COL21A1 protein (Cat# [TP315724]). The protein was produced from HEK293T cells transfected with COL21A1 cDNA clone (Cat# [RC215724]) using MegaTran 2.0 (Cat# [TT210002]).