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Product Datasheet

Recombinant Human Collagen II alpha 1/COL2A1 Protein ABB-RP02991

Article Name	Recombinant Human Collagen II alpha 1/COL2A1 Protein
Biozol Catalog Number	ABB-RP02991
Supplier Catalog Number	RP02991
Alternative Catalog Number	ABB-RP02991-50UG, ABB-RP02991-100UG, ABB-RP02991-10UG, ABB-RP02991-20UG
Manufacturer	ABclonal
Host	Human
Category	Proteine/Peptide
Species Reactivity	Human
Immunogen	Asp1242-Leu1487
Product Description	COL2A1 is the alpha-1 chain of type II collagen which is a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this protein are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, ...
Concentration	< 1 EU/μg of the protein by LAL method.
Molecular Weight	28.25 kDa
Tag	N-His
NCBI	1280
UniProt	P02458
Source	HEK293 cells

Purity	95 % as determined by SDS-PAGE.
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Sequence	DQAAGGLRQHDAEVDATLKSLNNQIESIRSPEGSRKNPARTCRDLKLCHPEW KSGDYWIDPNQGCTLDAMKVFCNMETGETCVYPNPANVPKKNWWSSKSKE KKHIWFGETINGGFHFSYGDDNLAPNTANVQMTFLRLLSTEGSQNITYHCKNS IAYLDEAAGNLKKALLIQGSNDVEIRAEGNSRFTYTALKDGCTKHTGKWGKTVI EYRSQKTSRLPIIDIAPMDIGGPEQEFQVDIGPVCFL
Target	COL2A1
Application Dilute	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Application Notes	Cross-Reactivity: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles. Research Area: Other Recombinant Protein