

Product datasheet

Recombinant Human Biglycan protein ab151798

1 References

Description

Product name	Recombinant Human Biglycan protein	
Purity	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	P21810	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p> EQRGFWDFTLDDGPFMMNDEEASGADTSGVLDPDSVTP TYSAMCPFGCHC HLRVVQCSDLGLKSVPEISPDITLLDLQNNDISLRKDD FKGLQHLYAL VLVNNKISKIHEKAFSPLRKLQKLYISKNHLEIPPNLPSLV ELRIHDN RIRKVPKGVFSGLRNMNCIEMGGNPLENSGFEPGAFDGL KLNLYRISEAK LTGIPKDLPETLNELHLDHNKIQAIIELEDLLRYSKLYRLGLG HNQIRMIE NGSLSFPLTLRELHLDNNKLARVPSGLPDLKLLQVVYLHS NNITKVGVDN FCPMGFGVKRAYYNGISLFNNPVPYWEVQPATFRCVTDR LAIQFGNYKKV DHHHHHH </p>	
Predicted molecular weight	43 kDa including tags	
Amino acids	20 to 368	
Tags	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab151798** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -80°C. pH: 7.20 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

General Info

Function	May be involved in collagen fiber assembly.
Tissue specificity	Found in several connective tissues, especially in articular cartilages.
Sequence similarities	Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class I subfamily. Contains 12 LRR (leucine-rich) repeats.
Post-translational modifications	The two attached glycosaminoglycan chains can be either chondroitin sulfate or dermatan sulfate.
Cellular localization	Secreted > extracellular space > extracellular matrix.

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