

Human Biglycan ELISA Kit | BGN elisa kit

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CATALOG #
AAA102051

REACTIVITY
Human

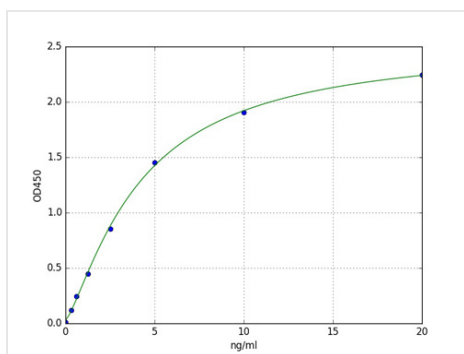
PRODUCT SYNONYMS

Biglycan; Human Biglycan ELISA Kit; BGN/Biglycan/DSPG1/PG-S1/SLRR1A/Bone; cartilage proteoglycan I/dermatan sulphate proteoglycan I/PGI/small leucine-rich protein 1A; BGN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	368
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a human BGN ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.635	1.25	2.5	5	10	20
Y	OD450	0.043	0.123	0.235	0.373	0.692	1.007	1.405	2.055

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BGN elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-human BGN antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-human BGN antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human BGN amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of human BGN can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502403
NCBI GeneID	633
NCBI Accession #	NP_001702.1
NCBI GenBank Nucleotide #	NM_001711.5
Molecular Weight	41,654 Da
NCBI Official Full Name	biglycan preproprotein
NCBI Official Synonym Full Names	biglycan
NCBI Official Symbol	BGN
NCBI Official Synonym Symbols	PGI; DSPG1; PG-S1; SLRR1A
NCBI Protein Information	biglycan
UniProt Protein Name	Biglycan
UniProt Gene Name	BGN
UniProt Synonym Gene Names	SLRR1A
UniProt Entry Name	PGS1_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.

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Online datasheet: <https://stage.aaabiotech.com/bgn-human-elisa-kits/biglycan/102051>