Native Mouse Hspg2 Protein

Cat. No. Hspg2-017M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Isolated from basement membrane of Engelbreth-Holm-Swarm mouse sarcoma. Content: 400 µg/mL (protein) 400 µg/mL (glycosaminoglycan) 100 µg/mL (uronic acid)
Species	Mouse
Description	Enables protease binding activity. Involved in receptor-mediated endocytosis. Acts upstream of or within several processes, including cardiac muscle tissue development; extracellular matrix organization; and skeletal system development. Located in basement membrane. Is expressed in several structures, including alimentary system; cardiovascular system; early conceptus; genitourinary system; and nervous system. Used to study Schwartz-Jampel syndrome 1; Silverman-Handmaker type dyssegmental dysplasia; dextro-looped transposition of the great arteries; and thanatophoric dysplasia. Human ortholog(s) of this gene implicated in Schwartz-Jampel syndrome 1; Silverman-Handmaker type dyssegmental dysplasia; and osteochondrodysplasia. Orthologous to human HSPG2 (heparan sulfate proteoglycan 2).
Molecular Mass	≥400 kDa
Applications	For cell culture use.
Storage	At -20 centigrade.
Concentration	≥400 µg/mL glycosaminoglycan

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Shipping	Dry Ice
Storage Buffer	50 mM Tris HCl, 150 mM NaCl, 1 mM EDTA, 0.1 mM PMSF, pH 7.4
Contaminants	≥100 μg/mL Uronic acid
Specific binding	Peptide Source: Collagen Type IV Peptide Source: Fibronectin Peptide Source: Laminin

GENE INFORMATION

Gene Name	Hspg2 perlecan (heparan sulfate proteoglycan 2) [Mus musculus (house mouse)]
Official Symbol	Hspg2
Synonyms	Hspg2; perlecan (heparan sulfate proteoglycan 2); HSPG; glycosaminoglycan; Pcn; Plc; per; HSPG; basement membrane-specific heparan sulfate proteoglycan core protein
Gene ID	15530
mRNA Refseq	NM_008305
Protein Refseq	NP_032331
UniProt ID	Q05793

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA