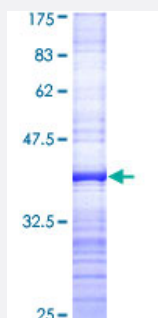


CSPG6 (Human) Recombinant Protein (Q01)

Catalog # H00009126-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CSPG6 partial ORF (AAH47324, 711 a.a. - 810 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IDQLMNQMQQIETQQRKFKASRDSILSEMKMLKEKRQQSEKTFMPKQRSLSLEASLHAMESTR ESLKAELGTDLLSQLSLEDQKRVDALNDEIRQLQQE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SMC3

Entrez GeneID [9126](#)

GeneBank Accession# [BC047324](#)

Protein Accession# [AAH47324](#)

Gene Name SMC3

Gene Alias BAM, BMH, CDLS3, CSPG6, HCAP, SMC3L1

Gene Description structural maintenance of chromosomes 3

Omim ID [606062](#) [610759](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene belongs to the SMC3 subfamily of SMC proteins. The encoded protein occurs in certain cell types as either an intracellular, nuclear protein or a secreted protein. The nuclear form, known as structural maintenance of chromosomes 3, is a component of the multimeric cohesin complex that holds together sister chromatids during mitosis, enabling proper chromosome segregation. Post-translational modification of the encoded protein by the addition of chondroitin sulfate chains gives rise to the secreted proteoglycan bamacan, an abundant basement membrane protein. [provided by RefSeq]

Other Designations OTTHUMP00000020477|bamacan proteoglycan|basement membrane-associated chondroitin proteoglycan|chondroitin sulfate proteoglycan 6 (bamacan)|chromosome-associated polypeptide

Pathway

- [Cell cycle](#)

Disease

- [Alzheimer Disease](#)
- [De Lange Syndrome](#)
- [Genetic Predisposition to Disease](#)