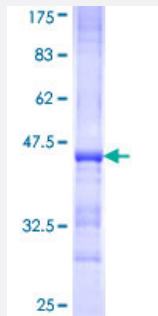


AGC1 (Human) Recombinant Protein (Q01)

Catalog # H00000176-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human AGC1 partial ORF (NP_037359, 56 a.a. - 155 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PMHPVTTAPSTAPLAPRIKWSRVSKEKEVLLVATEGRVRVNSAYQDKVSLPNYPAIPSDATLEV QSLRSNDSGVYRCEVMHGIEDSEATLEVVKGMF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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 — ACAN

Entrez GeneID [176](#)

GeneBank Accession# [NM_013227](#)

Protein Accession# [NP_037359](#)

Gene Name ACAN

Gene Alias AGC1, AGCAN, CSPG1, CSPGCP, MSK16, SEDK

Gene Description aggrecan

Omim ID [155760 608361](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the aggrecan/versican proteoglycan family. The encoded protein is an integral part of the extracellular matrix in cartilagenous tissue and it withstands compression in cartilage. Mutations in this gene may be involved in skeletal dysplasia and spinal degeneration. Multiple alternatively spliced transcript variants that encode different protein isoforms have been observed in this gene. [provided by RefSeq]

Other Designations aggrecan 1 (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan, antigen identified by monoclonal antibody A0122)|aggrecan proteoglycan|cartilage-specific proteoglycan core protein|chondroitin sulfate proteoglycan 1|large aggregating proteo

Publication Reference

- [Autoantibodies of IgM and IgG classes show differences in recognition of multiple autoantigens in chronic obstructive pulmonary disease.](#)

Shindi R, Almehairi A, Negm OH, Kalsheker N, Gale NS, Shale DJ, Harrison TW, Bolton CE, John M, Todd I, Tighe PJ, Fairclough LC.

Clinical Immunology (Orlando, Fla.) 2017 Oct; 183:344.

Application: Array, Human, Serum from patients with chronic obstructive pulmonary disease

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Intervertebral Disk Degeneration](#)
- [Intervertebral Disk Displacement](#)
- [Low Back Pain](#)
- [Occupational Diseases](#)
- [Paraparesis](#)
- [Scoliosis](#)
- [Tobacco Use Disorder](#)