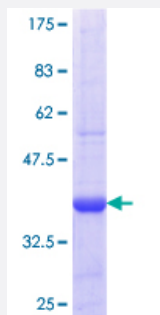


SULF1 (Human) Recombinant Protein (Q02)

Catalog # H00023213-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SULF1 partial ORF (NP_055985.1, 780 a.a. - 871 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RTVNETHNFLFCEFATGFLEYFDMNTDPYQLTNTVHTVERGILNQLHVQLMELRSCQGYKQCNP PKNLDVGNKDGGSYDLHRGQLWDGWEG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.86
Interspecies Antigen Sequence	Mouse (92); Rat (93)
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 — SULF1

Entrez GeneID [23213](#)

GeneBank Accession# [NM_015170](#)

Protein Accession# [NP_055985.1](#)

Gene Name SULF1

Gene Alias FLJ30905, FLJ38022, FLJ41750, HSULF-1, KIAA1077, SULF-1

Gene Description sulfatase 1

Omim ID [610012](#)

Gene Ontology [Hyperlink](#)

Gene Summary Heparan sulfate proteoglycans (HSPGs) act as coreceptors for numerous heparin-binding growth factors and cytokines and are involved in cell signaling. Heparan sulfate 6-O-endosulfatases, such as SULF1, selectively remove 6-O-sulfate groups from heparan sulfate. This activity modulates the effects of heparan sulfate by altering binding sites for signaling molecules (Dai et al., 2005 [PubMed 16192265]).[supplied by OMIM]

Other Designations sulfatase FP

Publication Reference

- [Role of heparan sulfate 6-O endosulfatases in intervertebral disc homeostasis.](#)

Otsuki S, Alvarez-Garcia O, Lotz MK, Neo M.

Histology and Histopathology 2019 Mar; 18107.

Application: Func, Mouse, ATDC5 cells

Disease

- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)