



Recombinant Protein Technical Manual
Recombinant Human CHST11/C4ST Protein (His Tag)
RPES1674

Product Data:

Product SKU: RPES1674

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: Q9NPF2-2

Protein Information:

Molecular Mass: 38.4 kDa

AP Molecular Mass: 43 kDa

Tag: C-His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: C4ST;C4ST;C4ST1;HSA269537

Immunogen Information:

Sequence: Met36-Glu347

Background:

CHST11, also known as C4ST, belongs to the sulfotransferase 2 family. CHST11 localizes to the golgi membrane, and catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. A chromosomal translocation involving CHST11 gene and IgH, t(12;14)(q23;q32), has been reported in a patient with B-cell chronic lymphocytic leukemia.