

Recombinant Human CD16b / FCGR3B Protein

Cat.NO.: TP07119

3th Edition

Synonyms:CD16;CD16b;Fc gamma RIIIb;FCG3;FCGR3;FCR-10;FCRIII;FCRIIIb

Description:Carbohydrate sulfotransferase 15, also known as N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase, GalNAc4S-6ST, B-cell RAG-associated gene protein, CHST15 and BRAG, is a single-pass type I I membrane protein which belongs to the sulfotransferase 1 family. CHST15 / BRAG is expressed in B-cell-enriched tissues but not in fetal or adult thymus. It is expressed in fetal and adult spleen, lymph node, tonsil, bone marrow and peripheral leukocytes. It is not expressed in T-cells. In pro-B, pre-B, and mature B-cell lines, it colocalizes with RAG1. CHST15 / BRAG is a sulfotransferase that transfers sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the C-6 hydroxyl group of the GalNAc 4-sulfate residue of chondroitin sulfate A and forms chondroitin sulfate E containing GlcA-GalNAc(4,6-SO₄) repeating units. It also transfers sulfate to a unique non-reducing terminal sequence, GalNAc(4SO₄)-GlcA(2SO₄)-GalNAc(6SO₄), to yield a highly sulfated structure similar to the structure found in thrombomodulin chondroitin sulfate. CHST15 / BRAG may also act as a B-cell receptor involved in BCR ligation-mediated early activation that mediate regulatory signals key to B-cell development and / or regulation of B-cell-specific RAG expression.

Form:PBS

Molecular Weight:20 kDa

Sequences:Met 18-Gly 193

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.