

Recombinant Human CD16b/FCGR3B Protein, Biotinylated

Catalog No. PKSH030308

Note: Centrifuge before opening to ensure complete recovery of vial contents.

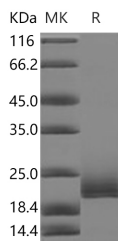
Description

Synonyms	Low affinity immunoglobulin gamma Fc region receptor III-B;Fc-gamma RIII-beta;FcR-10;IgG Fc receptor III-1;FCG3;FCGR3;CD16b and FCGR6B;FCRIII;FCRIIb
Species	Human
Expression Host	E.coli
Sequence	Met 18-Gly 193
Accession	O75015-1
Calculated Molecular Weight	20.0 kDa
Tag	None
Bioactivity	1. Measured by its ability to bind human IgG1 in a functional ELISA. 2. Labeling ratio of biotin to protein: 5. 51.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, 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 PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

Low affinity immunoglobulin gamma Fc region receptor III-B; also known as Fc-gamma RIII-beta; FcR-10; IgG Fc receptor III-1; FCG3; FCGR3; CD16b and FCGR3B. FCGR3B is a GPI-anchor membrane protein and contains two Ig-like C2 type domains. FCGR3B can be expressed in orphonuclear leukocytes and stimulated eosinophils. FCGR3B can interact with INPP5D/SHIP1. FCGR3B localizes in the FCGR gene cluster is a CN polymorphic gene involved in the recruitment of polymorphonuclear neutrophils to sites of inflammation and their activation. FCGR3B may serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.