Recombinant Human CD16b/FCGR3B Protein (Fc & His

Tag)

Catalog Number:PKSH032421



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

FCGR3B;FCRIII;FCRIIIb

Species Human

Expression Host HEK293 Cells
Sequence Gly17-Gln208
Accession O75015
Calculated Molecular Weight 48.8 kDa
Observed molecular weight 70 kDa

Properties

Tag

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

C-Fc-His

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

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 a 0.2 μm filtered solution of PBS, pH 7.4.

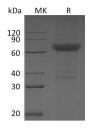
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

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



> 95 % as determined by reducing SDS-PAGE.

Background

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 Iglike 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.

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