Recombinant FCG2C protein (His tag)

Catalog Number	546922
Synonyms	IgG Fc receptor II-c; CDw32; Fc-gamma RII-c; Fc-gamma-RIIc; FcRII-c; CD antigen CD32
Species	Human
Expression System	E. coli
Accession	P31995
Molecular Weight	Predictes a molecular mass of 21.61 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	45-223
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 45-223 aa (P31995) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human FCGR2C Fragment (aa 45-223) is a high-purity protein designed for studying the low-affinity immunoglobulin gamma Fc region receptor II-c. This fragment encompasses the essential Ig-like C2-type domains, making it an ideal tool for investigating Fc receptor-mediated immune functions such as phagocytosis and antibody regulation. The full-length Low affinity immunoglobulin gamma Fc region receptor II-c (FCGR2C/CD32) serves as a receptor for the Fc region of complexed immunoglobulins gamma. It plays critical roles in effector and regulatory immune functions, including phagocytosis of immune complexes and modulation of antibody production by B-cells. While certain isoforms localize to the cytoplasm, others are single-pass type I membrane proteins found on the cell surface, highlighting its diverse involvement in immune signaling pathways. This recombinant fragment specifically targets the functional Ig-like C2-type domains to enable focused research on these key regions.