

Recombinant Mouse BY55/CD160 Protein

Catalog No.: RP01573 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	54215	O88875

Tags

C-His

Synonyms

CD160 Antigen; Natural Killer Cell Receptor BY55; CD160; BY55;CD160

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
15.84 kDa	25-30 kDa

Endotoxin

<1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

CD160 antigen is a Lipid-anchor that exists as a disulfide-linked homomultimer. CD160 contains one Ig-like V-type domain. The human CD160 precursor is a cysteine-rich, glycosylphosphatidylinositol-anchored protein of 181 amino acids with a single Ig-like domain. It is weakly homologous to KIR2DL4. CD160 is expressed in the spleen, peripheral blood, and small intestine. Its expression is tightly associated with peripheral blood NK cells and CD8 T lymphocytes with cytolytic effector activity. CD160 is a receptor showing broad specificity for both classical and non-classical MHC class I molecules.

Basic Information

Description

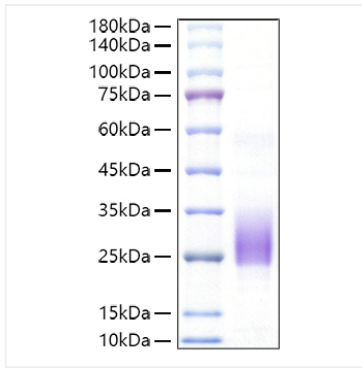
Recombinant Mouse BY55/CD160 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly28-Ser160) of mouse BY55/CD160 (Accession #NP_061237.3) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse BY55/CD160 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-30 kDa.