

Datasheet for ABIN7274082

CD160 Protein (CD160) (AA 25-158) (His-Avi Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD160
Protein Characteristics:	AA 25-158
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD160 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human CD160 Protein
Sequence:	Gly25-Leu158
Characteristics:	Recombinant Human CD160 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gly25-Leu158.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 1.2µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	CD160
Alternative Name:	CD160 (CD160 Products)
Background:	CD160 (also Natural killer cell receptor BY55) is a 27 - 30 kDa member of the Ig superfamily. In human, it is expressed principally on nonmyeloid hematopoietic cells. CD160 antigen is a receptor on immune cells capable to deliver stimulatory or inhibitory signals that regulate cell activation and differentiation. Exists as a GPI-anchored and as a transmembrane form, each likely initiating distinct signaling pathways via phosphoinositol 3-kinase in activated NK cells and via LCK and CD247/CD3 zeta chain in activated T cells.
Molecular Weight:	17.7 kDa. Due to glycosylation, the protein migrates to 27-33 kDa based on Tris-Bis PAGE result.
UniProt:	O95971

Application Details

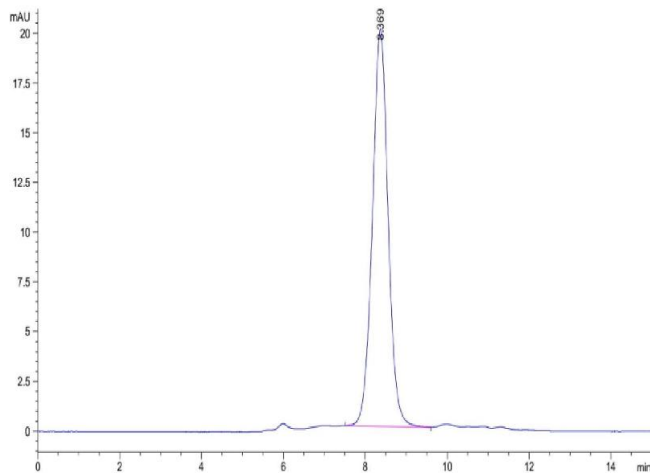
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

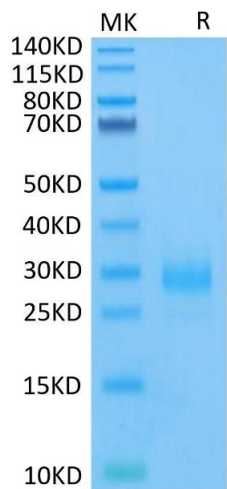
Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human CD160 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human CD160 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

Image 3. Human HVEM captured on Protein A chip, can bind Human CD160, His Tag with an affinity constant of 1.2 μ M as determined in a SPR assay(Biacore T200).

