

Recombinant Full Length Human CD160 Protein, GST-tagged

Cat. No. CD160-2986HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human CD160 full-length ORF (NP_008984.1, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 181 amino acids

Description

CD160 is an 27 kDa glycoprotein which was initially identified with the monoclonal antibody BY55. Its expression is tightly associated with peripheral blood NK cells and CD 8 T lymphocytes with cytolytic effector activity. The cDNA sequence of CD160 predicts a cysteine-rich, glycosylphosphatidylinositol-anchored protein of 181 amino acids with a single Ig-like domain weakly homologous to KIR2DL4 molecule. CD160 is expressed at the cell surface as a tightly disulfide-linked multimer. RNA blot analysis revealed CD160 mRNAs of 1.5 and 1.6 kb whose expression was highly restricted to circulating NK and T cells, spleen and small intestine. Within NK cells CD160 is expressed by CD56dimCD16+ cells whereas among circulating T cells its expression is mainly restricted to TCRgd bearing cells and to TCRab+CD8brightCD95+CD56+CD28-CD27-cells. In tissues, CD160 is expressed on all intestinal intraepithelial lymphocytes. CD160 shows a broad specificity for binding to both classical and nonclassical MHC class I molecules. [provided by RefSeq, Jul 2008]

Molecular Mass 46.2 kDa

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AA Sequence	MLLEPGRGCCALAILLAIVDIQSGGCINITSSASQEGTRLNLICTVWHKKEEAEGFVVF LCKDRSGDCSPETSLKQLRLKRDPGIDGVGEISSQLMFTISQVTPLHSGTYQCCARS QKSGIRLQGHFFSILFTETGNYTVTGLKQRQHLEFSHNEGLSSGFLQEKVWVMLVT SLVALQAL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CD160 CD160 molecule [Homo sapiens]
Official Symbol	CD160
Synonyms	CD160; CD160 molecule; CD160 antigen; BY55; NK1; NK28; CD160-delta Ig; CD160 transmembrane isoform; natural killer cell receptor BY55; natural killer cell receptor, immunoglobulin superfamily member; FLJ46513;
Gene ID	11126
mRNA Refseq	NM_007053
Protein Refseq	NP_008984
MIM	604463

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UniProt ID

O95971

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