

Recombinant Human CD53 Protein, His-tagged

Cat. No. CD53-151H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CD53 molecule(CD53), transcript variant 2(NM_000560), with a His tag, was expressed in human cells.

Species Human

Source Human Cells

Description The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants.

Form Purified protein formulated in a sterile solution of TBS buffer, pH7.141, without any preservatives.

Molecular Mass 24.2 kDa

Endotoxin Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

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Purity >90% by SDS-PAGE gel and Coomassie Blue staining

Applications Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name CD53 CD53 molecule [Homo sapiens]

Official Symbol CD53

Synonyms CD53; CD53 molecule; CD53 antigen , MOX44; leukocyte surface antigen CD53; TSPAN25; tspan-25; CD53 antigen; tetraspanin-25; CD53 glycoprotein; cell surface antigen; CD53 tetraspan antigen; transmembrane glycoprotein; cell surface glycoprotein CD53; antigen MOX44 identified by monoclonal MRC-OX44; MOX44;

Gene ID 963

mRNA Refseq NM_000560

Protein Refseq NP_000551

MIM 151525

UniProt ID P19397

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