

Recombinant Human CD53 Protein

Cat. No. CD53-0832H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD53 full-length ORF (NP_000551.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	<p>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. [provided by RefSeq, Mar 2016]</p>
Form	Liquid
Molecular Mass	24.3 kDa
AA Sequence	<p>MGMSSLKLLKYVLFFFNLLFWICGCCILGFGIYLLIHNNFGVLFHNLPSLTLGNVVFVIV GSIIMVVAFLGCMGSIKENKCLLMSFFILLIILLAEVTLAILLFVYEQKLNEYVAKGLTD SIHRYHSDNSTKAAWDSIQSFLQCCGINGTSDWTSGPPASCPSDRKVEGCYAKARL</p>

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WFHSNFLYIGIITICVVCVIEVLGMSFALTLNCQIDKTSQTIGL

Applications
 Antibody Production
 Functional Study
 Compound Screening

Usage
 Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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](#)

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UniProt ID

P19397

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