

Recombinant Full Length Human CD53 Protein, GST-tagged

Cat. No. CD53-3002HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CD53 full-length ORF (NP_000551.1, 1 a.a. - 219 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	219 amino acids
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>
Molecular Mass	50.7 kDa
AA Sequence	MGMSSLKLLKYVLFNLLFWICGCCILGFGIYLLIHNNFGVLFHNLPSLTLGNVVFVIV GSIIMVVAFLGCMGSIKENKCLLMSFFILLIILLAEVTLAILLFVYEQKLNEYVAKGLTD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SIHRYHSDNSTKAAWDSIQSFLQCCGINGTSDWTS GPPASCPSDRKVEGCYAKARL
WFHSNFLYIGIITICVCVIEVLGMSFALTLNCQIDKTSQTIGL

Applications	<p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p> <p>Antibody Production</p> <p>Protein Array</p>
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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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GENE INFORMATION

Gene Name	CD53 CD53 molecule [Homo sapiens]
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Official Symbol	CD53
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Synonyms	<p>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;</p>
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Gene ID	963
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mRNA Refseq	NM_000560
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Protein Refseq	NP_000551
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MIM	151525
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UniProt ID

P19397

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