

# Recombinant Human COLEC12 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** COLEC12-6298H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | COLEC12 MS Standard C13 and N15-labeled recombinant protein (NP_569057) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene encodes a member of the C-lectin family, proteins that possess collagen-like sequences and carbohydrate recognition domains. This protein is a scavenger receptor that displays several functions associated with host defense. It can bind to carbohydrate antigens on microorganisms, facilitating their recognition and removal. It also mediates the recognition, internalization, and degradation of oxidatively modified low density lipoprotein by vascular endothelial cells. |
| <b>Molecular Mass</b>   | 81.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MKDDFAEEEEVQSFGYKRFGIQEGTQCTKCKNNWALKFSIILLYILCALLTITVAILGY<br>KVVEKMDNVTGGMETSRQTYDDKLTAVESDLEKLGDQTGKKAISTNSELSTFRSDIL<br>DLRQQLREITEKTSKNKDTLEKLQASGDALVDRQSQLKETLENNFLITTVNKTLLQAY<br>NGYVTNLQQDTSVLQGNLQNQMYSHNVVIMNLLNLTQVQQRNLITNLQRSVDDT<br>SQAIQRIKNDFQNLQQVFLQAKKDTDWLKEKVQSLQTLAANNSALAKANNDTLEDM<br>NSQLNSFTGQMENITTISQANEQNLKDLQDLHKDAENRTAIKFNQLEERFQLFETDIV<br>NIISNISYTAHHLRTLTSNLNEVRTTCTDTLTKHTDDLTLNNTLANIRLDSVSLRMQQ                                                        |

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DLMRSRLDTEVANLSVIMEEMKLVDSKHGQLIKNFTILQGPPGPRGPRGDRGSQGP  
 PGPTGNKGQKGEKGEPGPPGPAGERGPIGPAGPPGERGGKGSQGPKGSRG  
 SPGKPGPQGPSGDPGPPGPPGKEGLPGPQGPFGQLQGTVGEPGVPGRGLP  
 GLPGVPGMPGPKGPPGPPGPSGAVVPLALQNEPTAPEDNSCPPHWKNFTDKCY  
 YFSVEKEIFEDAKLFCEDKSSHLVFINTREEQQWIKKQMVGRESHWIGLTDSENERE  
 WKWLDGTSPDYKNWKAGQPDNWGHGHPGEDCAGLIYAGQWNDFQCEDVNNFI  
 CEKDRETVLSSALTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** COLEC12 collectin sub-family member 12 [ Homo sapiens (human) ]

**Official Symbol** COLEC12

**Synonyms** COLEC12; collectin sub-family member 12; collectin-12; CL P1; SCARA4; SRCL; hCL-P1; collectin placenta protein 1; nurse cell scavenger receptor 2; scavenger receptor class A, member 4; scavenger receptor with C-type lectin; CLP1; NSR2;

**Gene ID** 81035

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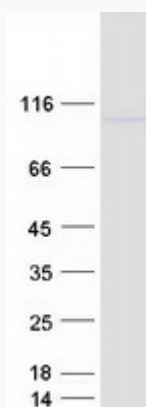
**mRNA Refseq** [NM\\_130386](#)

**Protein Refseq** [NP\\_569057](#)

**MIM** [607621](#)

**UniProt ID** [Q5KU26](#)

**SDS-PAGE**



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