

# Recombinant Human ITGA9 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ITGA9-2053H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ITGA9 MS Standard C13 and N15-labeled recombinant protein (NP_002198) 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 an alpha integrin. Integrins are heterodimeric integral membrane glycoproteins composed of an alpha chain and a beta chain that mediate cell-cell and cell-matrix adhesion. The protein encoded by this gene, when bound to the beta 1 chain, forms an integrin that is a receptor for VCAM1, cytotactin and osteopontin. Expression of this gene has been found to be upregulated in small cell lung cancers.                                                                                                  |
| <b>Molecular Mass</b>   | 114.52 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | <p>MGGPAAPRGAGRLRALLLALVVAGIPAGAYNLDPQRPVHFQGPADSFFGYAVLEHF</p> <p>HDNTRWVLVGAPKADSKYSPSVKSPGAVFKCRVHTNPDRRCTELDMARGKNRGTS</p> <p>CGKTCREDRDDEWMGVSLARQPKADGRVLACAHRWKNIYYEADHILPHGFCYIIPS</p> <p>NLQAKGRTLIPCYEEYKKKYGEEHGSCQAGIAGFFTEELVVMGAPGSFYWAGTIKVL</p> <p>NLTDNTYLKLNDEVIMNRRYTYLGYAVTAGHFSHPSTIDVVGAPQDKGIGKVYIFRA</p> <p>DRRSGTLIKIFQASGKKMGSYFGSSLCVLDLNGDGLSDLLVGAPMFSEIRDEGQVTV</p> <p>YINRGNGALEEQLALTGDGAYNAHFGESIASLDDLNDGFPDVAIGAPKEDDFAGAV</p> <p>YIYHGDASGIVPQYSMKLSGQKINPVLRMFGQSISGGIDMDGNGYPDVTVGAFMSD</p> |

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SVVLLRARPVITVDVSIFLPGSINITAPQCHDGQQPVNCLNVTTCSFHGKHVPGEIG  
 LNYVLMADVAKKEKGQMPRVYFVLLGETMGQVTEKLQLTYMEETCRHYVAHVKRR  
 VQDVISPIVFEAAYSLSEHVTGEEERELPPLTPVLRWKKGQKIAQKNQTVFERNCRS  
 EDCAADLQLQGKLLSSMDEKTLYLALGAVKNISLNISISNLGDDAYDANVSFNVSRE  
 LFFINMWQKEEMGISCELLESDFLKCSVGFPFMRSSKYSKYEFVIFDTSHLSGEEVLS  
 FIVTAQSGNTERSESLHDNTLVLMVPLMHEVDTSTIGIMSPTSFBVYGESVDAANFIQL  
 DDLECHFQPINITLQVYNTGPSTLPGSSVSISFPNRLSSGGAEMFHVQEMVVGQKEG  
 NCSFQKNPTPCIIPQEENIFHTIFAFFTKSGRKVLDCEKPGISCLTAHCNFSALAKEE  
 SRTIDIYMLLNTEILKKDSSSVIQFMSRAKVKVDPALRVVEIAHGNPEEVTTVFEALHN  
 LEPRGYVVGWIIAISLLVGILIFLLAVLLWKMGGFFRRRYKEIEAEKNRKENEDSWDW  
 VQKNQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

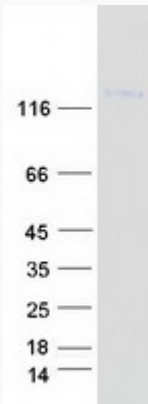
## GENE INFORMATION

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ITGA9 integrin subunit alpha 9 [ Homo sapiens (human) ]                                                                    |
| <b>Official Symbol</b> | ITGA9                                                                                                                      |
| <b>Synonyms</b>        | ITGA9; integrin, alpha 9; integrin alpha-9; ALPHA RLC; integrin; alpha 4 like; ITGA4L; RLC; integrin alpha-RLC; ALPHA-RLC; |

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|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 3680                                                                                |
| mRNA Refseq    | NM_002207                                                                           |
| Protein Refseq | NP_002198                                                                           |
| MIM            | 603963                                                                              |
| UniProt ID     | Q13797                                                                              |
| SDS-PAGE       |  |