

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

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

SPECIFICATION

Product Overview	ITGA9 MS Standard C13 and N15-labeled recombinant protein (NP_002198) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	114.52 kDa
AA Sequence	MGGPAAPRGAGRLRALLLALVVAGIPAGAYNLDPQRPVHFQGPADSFFGYAVLEHF HDNTRWVLVGAPKADSKYSPSVKSPGAVFKCRVHTNPDRRCTELDMARGKNRGTS CGKTCREDRDDEWMGVSLARQPKADGRVLACAHRWKNIYYEADHILPHGFCYIIPS NLQAKGRTLIPCYEEYKKKYGEEHGSCQAGIAGFFTEELVVMGAPGSFYWAGTIKVL NLTDNTYLKLNDEVIMNRRYTYLGYAVTAGHFSHPSTIDVVGAPQDKGIGKVYIFRA DRRSGTLIKIFQASGKKMGSYFGSSLCAVDLNGDGLSDLLVGAPMFSEIRDEGQVTV YINRGNGALEEQLALTGDGAYNAHFGESIASLDDLNDGFPDVAIGAPKEDDFAGAV YIYHGDASGIVPQYSMKLSGQKINPVLRMFGQSISGGIDMDGNGYPDVTVGAFMSD

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SVVLLRARPVITVDVSIFLPGSINITAPQCHDGQQPVNCLNVTTCSFHGKHVPGEIG
 LNYVLMADVAKKEKGQMPRVYFVLLGETMGQVTEKLQLTYMEETCRHYVAHVKRR
 VQDVISPIVFEAAAYSLSEHVTGEEERELPPLTPVLRWKKGQKIAQKNQTVFERNCRS
 EDCAADLQLQGKLLSSMDEKTLYLALGAVKNISLNISISNLGDDAYDANVSFNVSRE
 LFFINMWQKEEMGISCELLESDFLKCSVGFPFMRSKSKYEFVIFDTSHLSGEEEVLS
 FIVTAQSGNTERSESLHDNTLVLMVPLMHEVDTSTIGIMSPTSFVYGESVDAANFIQL
 DDLECHFQPINITLQVYNTGPSTLPGSSVSISFPNRLSSGGAEMFHVQEMVVGQKEG
 NCSFQKNPTPCIIPQEENIFHTIFAFFTKSGRKVLDCEKPGISCLTAHCNFSALAKEE
 SRTIDIYMLLNTEILKKDSSSVIQFMSRAKVKVPALRVVEIAHGNPEEVTTVFEALHN
 LEPRGYVVGWIIAISLLVGILIFLLAVLLWKMGGFFRRRYKEIEAEKNRKENEDSWDW
 VQKNQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [ITGA9 integrin subunit alpha 9 \[Homo sapiens \(human\) \]](#)

Official Symbol [ITGA9](#)

Synonyms 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	