

Recombinant Human ITGA8 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ITGA8-287H Lot. No. (See product label)

SPECIFICATION

Product Overview	ITGA8 MS Standard C13 and N15-labeled recombinant protein (NP_003629) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Integrins are heterodimeric transmembrane receptor proteins that mediate numerous cellular processes including cell adhesion, cytoskeletal rearrangement, and activation of cell signaling pathways. Integrins are composed of alpha and beta subunits. This gene encodes the alpha 8 subunit of the heterodimeric integrin alpha8beta1 protein. The encoded protein is a single-pass type 1 membrane protein that contains multiple FG-GAP repeats. This repeat is predicted to fold into a beta propeller structure. This gene regulates the recruitment of mesenchymal cells into epithelial structures, mediates cell-cell interactions, and regulates neurite outgrowth of sensory and motor neurons. The integrin alpha8beta1 protein thus plays an important role in wound-healing and organogenesis. Mutations in this gene have been associated with renal hypodysplasia/aplasia-1 (RHDA1) and with several animal models of chronic kidney disease. Alternate splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2014]
Molecular Mass	117.3 kDa

 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



AA Sequence

MSPGASRGPRGSQAPLIAPLCCAAAAALGMLLWSPACQAFNLDVEKLTVYSGPKGSY
FGYAVDFHIPDARTASVLVGAPKANTSQPDIVEGGAVYYCPWPAEGSAQCRQIPFD
TTNNRKIRVNGTKEPIEFKSNQWFGATVKAHKGKVVACAPLYHWRTLKPTPEKDPV
GTCYVAIQNFSAYAEFSPCRNSNADPEGQGYCQAGFSLDFYKNGDLIVGGPGSFY
WQGQVITASVADIANYSFKDILRKLAGEKQTEVAPASYDDSYLGYSVAAGEFTGDS
QQELVAGIPRGAQNFGYVSIINSTDMTFIQNFTGEQMASYFGYTVVSDVNSDGLDD
VLVGAPLFMEREFESNPREGVQIYLYLQVSSLLFRDPQILTGTETFGFRFGSAMAHLG
DLNQDGYNDIAIGVPFAGKDQRGKVLINNGNDGLNTKPSQVLQGVWASHAVPSGF
GFTLRGDSIDKNDYPDLIVGAFGTGKVAVYRARPVTVDAQLLLHPMIINLENKTCQ
VPDSMTSAACFSLRVCASVTGQSIANTIVLMAEVQLDSLKQKGAIKRTLFLDNHQA
RVFPLVIKRQKSHQCQDFIVYLRDETEFRDKLSPINISLNYSLDESTFKEGLEVKPILN
YYRENIVSEQAHLVDCGEDNLCVPDLKLSARPDKHQVIIGDENHMLLIINARNEGEG
AYEAEFVMIPEEADYVGIERNNGFRPLSCEYKMENVTRMVVCDLGNPMVSGTNY
SLGLRFAVPRLEKTNMSINFDLQIRSSNKDNPDSNFVSLQINITAVAQVEIRGVSHPP
QIVLPIHNWEPEEEPHKEEEVGPLVEHIYELHNIGPSTISDTILEVGWPF SARDEFLLYI
FHIQTLGPLQCQPNPNINPQDIKPAASPEDTPELSAFLRNSTIPHLVRKRDVHVVEFH
RQSPAKILNCTNIECLQISCAVGRLEGGESAVLKVRSRLWAHTFLQRKNDPYALASL
VSFEVKKMPYTDQPAKLPEGSIAIKTSVIWATPNVSFSIPLWVILAILLGLLVLAITLAL
WKCGFFDRARPPQEDMTDREQLTNDKTPEATRTRPLEQKLISEEDLAANDILDYKD
DDDKV

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

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

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

GENE INFORMATION

Gene Name ITGA8 integrin, alpha 8 [Homo sapiens (human)]

Official Symbol ITGA8

Synonyms ITGA8; integrin, alpha 8; integrin alpha-8;

Gene ID 8516

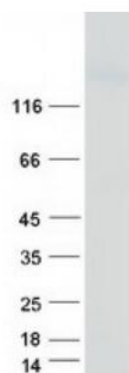
mRNA Refseq NM_003638

Protein Refseq NP_003629

MIM 604063

UniProt ID P53708

SDS-PAGE



 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