

Recombinant Full Length Human ITGA3 Protein, C-Flag-tagged

Cat. No. ITGA3-1011HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITGA3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function as cell surface adhesion molecules. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 3 subunit. This subunit joins with a beta 1 subunit to form an integrin that interacts with extracellular matrix proteins including members of the laminin family. Expression of this gene may be correlated with breast cancer metastasis.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	115.6 kDa
AA Sequence	MGPGPSRAPRAPRLMLCALALMVAAGGCVVSAFNLDTRFLVVKEAGNPGSLFGYS VALHRQTERQQRYLL LAGAPRELAVPDGYTNRTGAVYLCPLTAHKDDCERMNITVK NDPGHHIIEDMWLGVTVASQGPAGRVLC AHRYTQVLWSGSEDQRRMVGKCYVR GNDLELDSSDDWQTYHNEMCNSNTDYLETGMCQLGTSGGFTQNTV YFGAPGAYN WKGNSYMIQRKEWDLSEYSYKDPEDQGNLYIGYTMQVGSFILHPKNITIVTGAPRHR

 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

HMGA VFLLSQEAGGDLRRRQVLEGSQVGAYFGSAIALADLNNDGWQDLLVGAPYY
 FERKEEVGGAIYVFMNQAG TSFPAHPSLLLHGPGSGSAFGLSVASIGDINQDGFQDIA
 VGAPFEGLGKVYIYHSSSKGLLRQPQQVIHGE KLGLPGLATFGYSLSGQMDVDENF
 YPDLLVGSLSDHIVLLRARPVINIVHKTLPVPRPAVLDPALCTATSC VQVELCFAYNQS
 AGNPNYRRNITLAYTLEADRDRRPPRLRFAGSESAVFHGFFSMPEMRCQKLELLLM
 DN LRDKLRPIIISMNYSPLRMPDRPRLGLRSLDAYPILNQAQALENHTEVQFQKEC
 GPDNKCESNLQMRAA FVSEQQQKLSRLQYSRDVRKLLLSINVTNTRTSERSGEDA
 HEALLTLVPPALLSSVRPPGACQANETI FCELGPNPFKRNRQRMELLITFEVIGVTLH
 TRDLQVQLQLSTSSHQDNLWPMILTLLVDYTLQTSLSMVNHR LQSFFGGTVMGES
 GMKTVEDVGSPLKYEYFQVGPMGEGLVGLGTLVLGLEWPYEVSNGKWLLYPTEITVH
 G NGSWPCRPPGDLINPLNLTLSDPGDRPSSPQRRRRQLDPGGGQGPPPVTLAAA
 KKAKSETVLTCATGRAH CVWLECPIDAPVVTNVTVKARVWNSTFIEDYRDFDRVR
 VNGWATLFLRTSIPTINMENKTTWFSVDIDS ELVEELPAEIELWLVLVAVGAGLLLLG
 LIILLWKCDFFKRTRYQIMPKYHAVRIRREEERYPPPGSTLP
 TKKHWVTSWQTRDQYYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane

Protein Pathways Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer

Full Length Full L.

GENE INFORMATION

Gene Name ITGA3 integrin subunit alpha 3 [Homo sapiens (human)]

Official Symbol ITGA3

Synonyms JEB7; VL3A; CD49C; FRP-2; GAPB3; ILNEB; MSK18; VCA-2; VLA3a; GAP-B3

Gene ID 3675

mRNA Refseq NM_002204.4

Protein Refseq NP_002195.1

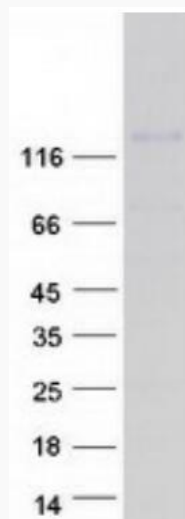
MIM 605025

UniProt ID P26006

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Coomassie blue staining of purified ITGA3 protein.

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