Recombinant Full Length Human ITGA11 Protein, C-Flag-tagged

Cat. No. ITGA11-1532HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITGA11 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein contains an I domain, is expressed in muscle tissue, dimerizes with beta 1 integrin in vitro, and appears to bind collagen in this form. Therefore, the protein may be involved in attaching muscle tissue to the extracellular matrix. Alternative transcriptional splice variants have been found for this gene, but their biological validity is not determined.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	131 kDa
AA Sequence	MDLPRGLVVAWALSLWPGFTDTFNMDTRKPRVIPGSRTAFFGYTVQQHDISGNKW LVVGAPLETNGYQKT GDVYKCPVIHGNCTKLNLGRVTLSNVSERKDNMRLGLSLAT NPKDNSFLACSPLWSHECGSSYYTTGMCS RVNSNFRFSKTVAPALQRCQTYMDIVI VLDGSNSIYPWVEVQHFLINILKKFYIGPGQIQVGVVQYGEDV VHEFHLNDYRSVKD VVEAASHIEQRGGTETRTAFGIEFARSEAFQKGGRKGAKKVMIVITDGESHDSPDL E KVIQQSERDNVTRYAVAVLGYYNRRGINPETFLNEIKYIASDPDDKHFFNVTDEAALK

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	DIVDALGDRIF SLEGTNKNETSFGLEMSQTGFSSHVVEDGVLLGAVGAYDWNGAVL KETSAGKVIPLRESYLKEFPEELKN HGAYLGYTVTSVVSSRQGRVYVAGAPRFNHT GKVILFTMHNNRSLTIHQAMRGQQIGSYFGSEITSVDID GDGVTDVLLVGAPMYFNE GRERGKVYVYELRQNLFVYNGTLKDSHSYQNARFGSSIASVRDLNQDSYNDV VVG APLEDNHAGAIYIFHGFRGSILKTPKQRITASELATGLQYFGCSIHGQLDLNEDGLIDL AVGALGNA VILWSRPVVQINASLHFEPSKINIFHRDCKRSGRDATCLAAFLCFTPIFL APHFQTTTVGIRYNATMDER RYTPRAHLDEGGDRFTNRAVLLSSGQELCERINFHV LDTADYVKPVTFSVEYSLEDPDHGPMLDDGWPTT LRVSVPFWNGCNEDEHCVPDL VLDARSDLPTAMEYCQRVLRKPAQDCSAYTLSFDTTVFIIESTRQRVAV EATLENRG ENAYSTVLNISQSANLQFASLIQKEDSDGSIECVNEERRLQKQVCNVSYPFFRAKAK VAFRL DFEFSKSIFLHHLEIELAAGSDSNERDSTKEDNVAPLRFHLKYEADVLFTRSS SLSHYEVKPNSSLERYD GIGPPFSCIFRIQNLGLFPIHGMMMKITIPIATRSGNRLLKL RDFLTDEANTSCNIWGNSTEYRPTPVEE DLRRAPQLNHSNSDVVSINCNIRLVPNQ EINFHLLGNLWLRSLKALKYKSMKIMVNAALQRQFHSPFIFR EEDPSRQIVFEISKQE DWQVPIWIIVGSTLGGLLLLALLVLALWKLGFFRSARRRREPGLDPTPKVLETRTRPL EQKLISEEDLAANDILDYKDDDDKV
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

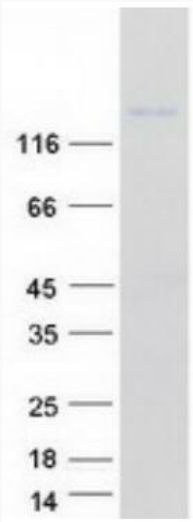
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Protein Pathways	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton
Full Length	Full L.

GENE INFORMATION

Gene Name	ITGA11 integrin subunit alpha 11 [Homo sapiens (human)]
Official Symbol	ITGA11
Synonyms	HsT18964
Gene ID	22801
mRNA Refseq	NM_001004439.2
Protein Refseq	NP_001004439.1
MIM	604789
UniProt ID	Q9UKX5

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Coomassie blue staining of purified ITGA11 protein.

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