

Product datasheet for **TP320975L**

Integrin alpha 3 (ITGA3) (NM_005501) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) (ITGA3), transcript variant b, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC220975 representing NM_005501

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MGPGPSRAPRAPRLMLCALALMVAAGGCVSAFNLDTRFLVWKEAGNPGSLFGYSVALHRQTERQQRYLL
LAGAPRELAVPDGYTNRTGAVYLCPLTAHKDDCERMNITVKNDPGHHIIEDMWLGTVASQGPAGRVLC
AHRYTQVLWSGSEDQRRMVGKCYVRGNDLELDSSDDWQTYHNEMCNSNTDYLETGMCQLGTSGGFTQNTV
YFGAPGAYNWKGNYSYMIQRKEWDLSEYSYKDPEDQGNLYIGYTMQVGSFILHPKNITIVTGAPRHRHMGA
VFLLSQEAGGDLRRRQVLEGSQVGAYFGSAIALADLNNDGWQDLLVGAPYYFERKEEVGGAIYVMNQAG
TSFPAHPSLLLHGPGSGSAFGLSVASIGDINQDGFQDIAGVAPFEGLGKVIYHSSSKGLLRQPQVIHGE
KLGPLGLATFGYSLSGQMDVDENFYDLLVGLSDHIVLLRARPVINIVHKTLVPRPAVLDPALCTATSC
VQVELCFAYNQSAGNPNYRRNITLAYTLEADRDRRPPRLRFAGSES AVFHGFFSMPEMRCQKLELLMDN
LRDKLRPIIISMNYSPLRMPDRPRLGLRSLDAYPILNQAQALENHTEVQFQKECGPDNKCENLQMRAA
FVSEQQKLSRLQYSRDVRKLLLSINVTNTRTSERSGEDAHEALLTLVPPALLSSVRPPGACQANETI
FCELGNPFKRNRQRMELLITFEVIGVTLHTRDLQVQLQLSTSSHQDNLWPMILTLLVDYTLQTSLSMVNHR
LQSF FGGTVMGESGMKTVEDVGSPLKYEYFQVGPMEGLVGLGTLVLGLEWPYEVSNKWLPLYPTITVHG
NGSWPCRPPGDLINPLNLTLSDPGDRPSSPQRRRRQLDPGGGQGGPPVTLAAAKKAKSETVLT CATGRAH
CVWLECPIDAPVVTNVTVKARVWNSTFIEDYRDFDRVRVNGWATLFLRTSIPTINMENKTTWFSVDIDS
ELVEELPAEIELWLVLVAVGAGLLLLGLIILLWKCDFFKRTRYQIMPKYHAVRIREEERYPPPGSTLP
TKKHVWTSWQTRDQYY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 115.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

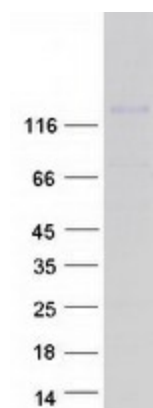
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005492
Locus ID:	3675
UniProt ID:	P26006
RefSeq Size:	4495
Cytogenetics:	17q21.33
RefSeq ORF:	3198
Synonyms:	CD49C; GAP-B3; GAPB3; ILNEB; MSK18; VCA-2; VL3A; VLA3a
Summary:	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. [provided by RefSeq, Oct 2015]
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

Product images:



Coomassie blue staining of purified ITGA3 protein (Cat# [TP320975]). The protein was produced from HEK293T cells transfected with ITGA3 cDNA clone (Cat# [RC220975]) using MegaTran 2.0 (Cat# [TT210002]).