

Product datasheet for PH320975

Integrin alpha 3 (ITGA3) (NM_005501) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ITGA3 MS Standard C13 and N15-labeled recombinant protein (NP_005492)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220975
Predicted MW:	118.79 kDa
Protein Sequence:	>RC220975 representing NM_005501 Red=Cloning site Green=Tags(s)

MGPGPSRAPRAPRLMLCALMVAAGGCVVSAFNLDTRFLVVKKEAGNPGSLFGYSVALHRQTERQQRYLL
LAGAPRELAVPDGYTNRTGAVYLCPLTAHKDDCERMNITVKNDPGHHI IEDMWLGVTVA SQGPAGRVLC
AHRYSQVLSWGSSEDQRRMVGKCYVRGNLDELSSDDWQTYHNEMCNSNTDYLETGMCQLGTSGGFTQNTV
YFGAPGAYNWKNSYMIQRKEWDLSEYSYKDPEDQGNLYIGYTMQVGSFILHPKNITIVTGAPRHRHMGA
VFLLSQEAGGDLRRRQVLEGSQV GAYFGSAIALADLNNDGWQDLLVGAPYYFERKEEVGGAIYVFMNQAG
TSFPAHPSLLHHGSPGSFGLSVASIGDINQDGFQDI AVGAPFEGLGKVYIYHSSSKGLLRQPQQVIHGE
KLG L PGLATFGYSLSGQMDVDENFYD L L V G S L S D H I V L L R A R P V I N I V H K T L V P R P A V L D P A L C T A T S C
VQVELCFAYNQSAGNPNYRRNITLAYTLEADRDRRPPRLRFAGSESAVFHGFFSMPMERCQKLELLMLDN
LRDKLRPIIISMNYSPLRMPDRPRLGLRSLDAYPILNQAQALNHTEVQFQKECGPDNKCESNLQMRAA
FVSEQQKLSRLQYSRDVRKLLLSINVTNTRTSERSGEDAHEALLTLVPPALLLSSVRPPGACQANETI
FCELGNPFKRNQRMELLITFEVIGVTLHTRDLQVQLQLSTSSHQDNLWPMILTLVDTLQTSLSMVNHR
LQSF FGGTVMGESGMKTVEDVGSPLKYEYFQVGPMEGLVGLGTLVLGLEWPYEVSNKWLLYPTEITVHG
NGSWPCRPPGDLINPLNLTLSDPGDRPSSPQRRRQLDPGGGQPPPVTLAAAKKAKSETVLT CATGRAH
CVWLECPIDAPVVTNVTVKARVWNSTFIEDYRDFDRVRVNGWATLFLRTSIPTINMENKTTWFSVDIDS
ELVEELPAEIELWLVLVAVGAGLLLLGLIILLWKCDFFKRTRYQIMPKYHAVRIREEERYPPPGSTLP
TKKHVWTSWQTRDQYY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

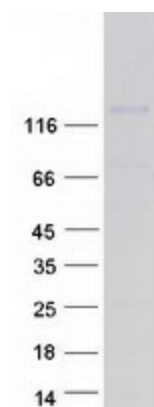
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005492
RefSeq Size:	4495
RefSeq ORF:	3198
Synonyms:	CD49C; GAP-B3; GAPB3; ILNEB; MSK18; VCA-2; VL3A; VLA3a
Locus ID:	3675
UniProt ID:	P26006
Cytogenetics:	17q21.33
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]).