

## Product datasheet for PH302929

### Vitronectin (VTN) (NM\_000638) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	VTN MS Standard C13 and N15-labeled recombinant protein (NP_000629)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202929
Predicted MW:	54.3 kDa
Protein Sequence:	>RC202929 protein sequence Red=Cloning site Green=Tags(s)
	MAPLRPLLILALLAWVALADQESCKGRCTEGFNVDKCKQCDELCSYYQSCCTDYTAECKPQVTRGDVFTM PEDEYTVYDDGEEKNNATVHEQVGGPSLTSDLQAQSKGNPEQTPVLKPEEEAPAPEVGASKPEGIDSRPE TLHPGRPQPPAEEELCSGKPFDAFTDLKNGSLFAFRGQYCYELDEKAVRPGYPKLIRDVWGIEGPIDAAF TRINCQGKTYLFGKSQYWRFDGVLDPDYPRNISDGFDPDNDVDAALALPAHSYSGRERVYFFKGKQYW EYQFQHQSQEECEGSSLSAVFEHFAMQRDSWEDIFELLFWGRTSAGTRQPQFISRDWHGVPQVDAAM AGRIYISGMAPRPSLAKKQRFHRNRKGYRSQRGHSRGRNQNSRRPSRAMWLSLFSSEESNLGANNYDDY RMDWLV PATCEPIQSVFFFSGDKYYRVNLRTRRVDTPPPYPRISIAQYWLGC PAPGHL
	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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
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:	<u>NP_000629</u>
RefSeq Size:	1678
RefSeq ORF:	1434
Synonyms:	V75; VN; VNT



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Locus ID: 7448

UniProt ID: [P04004](#), [D9ZGG2](#)

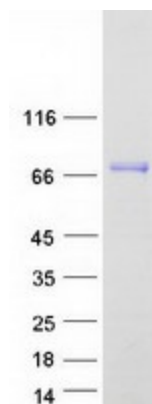
Cytogenetics: 17q11.2

**Summary:** The protein encoded by this gene functions in part as an adhesive glycoprotein. Differential expression of this protein can promote either cell adhesion or migration as it links cells to the extracellular matrix through a variety of ligands. These ligands include integrins, plasminogen activator inhibitor-1, and urokinase plasminogen activator receptor. This secreted protein can be present in the plasma as a monomer or dimer and forms a multimer in the extracellular matrix of several tissues. This protein also inhibits the membrane-damaging effect of the terminal cytolytic complement pathway and binds to several serpin serine protease inhibitors. This protein can also promote extracellular matrix degradation and thus plays a role in tumorigenesis. It is involved in a variety of other biological processes such as the regulation of the coagulation pathway, wound healing, and tissue remodeling. The heparin-binding domain of this protein give it anti-microbial properties. It is also a lipid binding protein that forms a principal component of high density lipoprotein. [provided by RefSeq, Aug 2020]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** ECM-receptor interaction, Focal adhesion

### Product images:



Coomassie blue staining of purified VTN protein (Cat# [TP302929]). The protein was produced from HEK293T cells transfected with VTN cDNA clone (Cat# [RC202929]) using MegaTran 2.0 (Cat# [TT210002]).