

Product datasheet for PH311396

PLXNC1 (NM_005761) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLXNC1 MS Standard C13 and N15-labeled recombinant protein (NP_005752)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211396
Predicted MW:	175.6 kDa
Protein Sequence:	>RC211396 representing NM_005761 Red=Cloning site Green=Tags(s)

MEVSRRAKAPRPPRPAAPLPLLAYLLALAAPGRGADEPVWRSEQAIGAI AASQEDGVFVASGSCLDQLDY
SLEHSL SRLYRDQAGNCTEPVSLAPPARPRGSSFSKLLL PYREGAAGLGGLLL TGWTFDRGACEVRPLG
NLSRSLRNGTEVVSCHPQGSTAGVYRAGRNNRWYLAVAATYVLPETASRCNPAASDHDTAIALKDT
EGRSLATQELGRLKLCGAGSLHFVDAFLWNGSIYFPYYPNYTSGAATGWPSMARIAQSTEVLFQGGAS
LDCGHGHPDGRLLLLSSSLVEALDVWAGVFSAAAGEGQERRSPTTALCLFRMSEIQARAKRVSWDFKTA
ESHCKEGDQPERVQPIASSTLIHSDLTSVYGTVMNRTVFLGTGDGQLLKVILGENLTSNCPVEIYEIK
EETPVFYKLVDPVKNIYIYLTAGKEVRRIRVANCNKHKSCSECLTATDPHCGWCHSLQRCTFQGDVHS
ENLENWLDISSGAKKCPKIQIIRSSKEKTTVTMVGFSFSPRHSKCMVKNVDSRELCQNKSQPNRTCTCSI
PTRATYKDVSVVNMVFSFGSWNLSDRFNFTNCSSLKECPACVETGCWACKSARRCIHPFTACDPSDYERN
QEQQPVAVEKTSGGGRPKENKGNRTNQUALQVFYIKSIEPQKVSTLGKSNVIVTGANFTRASNITMILKGT
STCDKDVIVSHVLDNTHMKFSLPSSSRKEMKDVCIQFDGGNCSSVGSLSYIALPHCSLIFPATTWISGGQ
NITMMGRNFDVIDNLIISHELKGNINVSEYCVATYCGFLAPSLKSSKVRTNVTVKLRVQDTYLDGTLQY
REDPRFTGYRVESEVDTELEVKIQKENDNFNISKKDIEITL FHGENGQLNCSFENITRNQDLTTILCKIK
GIKTASTIANSSKKVRVKLGNLELYVEQESVPSTWYFLIVLPVLLVIVIFAAGVTRHKSKELSRKQSQQ
LELLESELRKEIRDGFAELQMDKLDVDSFGTVPFLDYKHFALRTFFPESGGFTHIFTEDMHNDRDANDKN
ESLTALDALICNKSFLVTVIHTLEKQKNSVKDRCLFASFLTIALQTKLVYLT SILEVLTRDLMEQCSNM
QPKMLRRTESVVEKLLTNWMSVCLSGFLRETVEGPFYLLVTTLNQKINKGPVDVITCKALYTLNEDWLL
WQVPEFSTVALNVVFEKIPENESADVCRNISVNVLDCTIGQAKEKIFQAFLSKNGSPYGLQLNEIGLEL
QMGTRQKELLIDSSSVILEDGITKLNITIGHYEISNGSTIKVFKKIANFTSDVEYSDDHCHLILPDSEAF
QDVQGRHRGKHKFKVKEMYLTKLLSTKVAIHSVLEKLFRSIWSLPNSRAPFAIKYFFDFLDAQAENKKI
TDPDVVHIWKTNSLPLRFVWNILKNPQVFVDIKKTPHIDGCLSVIAQAFMDAFLSTEQQLGKEAPTNNLL
YAKDIPTYKEEVKSYYKAIRDLPLPSSSEMEEFLTQESKKHENEFNEEVALTEIYKYIVKYFDEILNKLE
RERGLEEAQKQLLHVKVLFDEKKKCKWM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

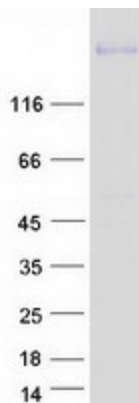
Tag: C-Myc/DDK



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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
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_005752
RefSeq Size:	5121
RefSeq ORF:	4704
Synonyms:	CD232; PLXN-C1; VESPR
Locus ID:	10154
UniProt ID:	O60486
Cytogenetics:	12q22
Summary:	This gene encodes a member of the plexin family. Plexins are transmembrane receptors for semaphorins, a large family of proteins that regulate axon guidance, cell motility and migration, and the immune response. The encoded protein and its ligand regulate melanocyte adhesion, and viral semaphorins may modulate the immune response by binding to this receptor. The encoded protein may be a tumor suppressor protein for melanoma. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2011]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance

Product images:



Coomassie blue staining of purified PLXNC1 protein (Cat# [TP311396]). The protein was produced from HEK293T cells transfected with PLXNC1 cDNA clone (Cat# [RC211396]) using MegaTran 2.0 (Cat# [TT210002]).