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Product datasheet for PH301323

Morg1 (WDR83) (NM_032332) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	WDR83 MS Standard C13 and N15-labeled recombinant protein (NP_115708)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201323
Predicted MW:	34.3 kDa
Protein Sequence:	>RC201323 protein sequence Red=Cloning site Green=Tags(s) MAFPEPKPRPPELPQKRLKTLDCGQGAVRAVRFNVDGNYCLTCGSDKTLKLWNPLRGTLLRTYSGHGYEV LDAAGSFDNSSLCSGGGDKAVVLWDVASGQVVRKFRGHAGKVNTVQFNEEATVILSGSIDSSIRCWDCRS RRPEPVQTLDEARDGVSSVKVSDHEILAGSVDGRVRRYDLRMGQLFSDYVGSPITCTCFSRDGQCTLVSS LDSTLRLLDKDTGELLGEYKGHKNQEYKLDCCLSERDTHVVSCSEDGKVFFWDLVEGALALALPVGSGVV QSLAYHPTEPCLLTAMGGSVQCWREEAYEAEDGAG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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:	NP_115708
RefSeq Size:	1219
RefSeq ORF:	945
Synonyms:	MORG1
Locus ID:	84292

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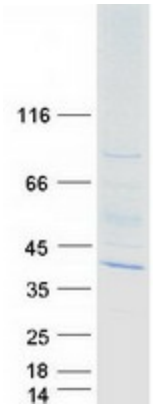
UniProt ID: Q9BRX9

Cytogenetics: 19p13.13

Summary: This gene encodes a member of the WD-40 protein family. The protein is proposed to function as a molecular scaffold for various multimeric protein complexes. The protein associates with several components of the extracellular signal-regulated kinase (ERK) pathway, and promotes ERK activity in response to serum or other signals. The protein also interacts with egl nine homolog 3 (EGLN3, also known as PHD3) and regulates expression of hypoxia-inducible factor 1, and has been purified as part of the spliceosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Product images:



Coomassie blue staining of purified WDR83 protein (Cat# [TP301323]). The protein was produced from HEK293T cells transfected with WDR83 cDNA clone (Cat# [RC201323]) using MegaTran 2.0 (Cat# [TT210002]).