

## Product datasheet for PH313133

### Midkine (MDK) (NM\_002391) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MDK MS Standard C13 and N15-labeled recombinant protein (NP_002382)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213133
Predicted MW:	15.4 kDa
Protein Sequence:	>RC213133 representing NM_002391 Red=Cloning site Green=Tags(s)  MQHRGFLLLTLLALLALTSAVAKKKDKVKKGGPGSECAEWAWGPCTPSSKDCGVGFREGTCGAQTQRIRC RVPCNWKKEFGADCKYKFENWGACDGGTGTKVRQGLKKARYNAQCQETIRVTKPCTPKTKAKAKKGGK GKD  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:	<a href="#">NP_002382</a>
RefSeq Size:	866
RefSeq ORF:	429
Synonyms:	ARAP; MK; NEG2
Locus ID:	4192
UniProt ID:	<a href="#">P21741</a>



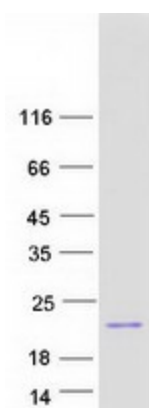
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**Cytogenetics:** 11p11.2

**Summary:** This gene encodes a member of a small family of secreted growth factors that binds heparin and responds to retinoic acid. The encoded protein promotes cell growth, migration, and angiogenesis, in particular during tumorigenesis. This gene has been targeted as a therapeutic for a variety of different disorders. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012]

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

### Product images:



Coomassie blue staining of purified MDK protein (Cat# [TP313133]). The protein was produced from HEK293T cells transfected with MDK cDNA clone (Cat# [RC213133]) using MegaTran 2.0 (Cat# [TT210002]).