

## Product datasheet for **TP303995L**

### Midkine (MDK) (NM\_001012333) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human midkine (neurite growth-promoting factor 2) (MDK), transcript variant 2, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC203995 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MQHRGFLLLTLLALLALTSAVAKKKDKVKKGGPGSECAEWAWGPCTPSSKDCGVGFREGTCGAQTQRIRC  
RVPCNWKKEFGADCKYKFENWGACDGGTGTKVRQGTLKKARYNAQCQETIRVTKPCTPKTKAKAKAKKGGK  
GKD

**TR**TRPLE**Q**KLISEEDLA**AND**ILDY**K**DDDD**KV**

**Tag:** C-Myc/DDK

**Predicted MW:** 15.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001012333](#)

**Locus ID:** 4192

**UniProt ID:** [P21741](#)



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RefSeq Size: 969

Cytogenetics: 11p11.2

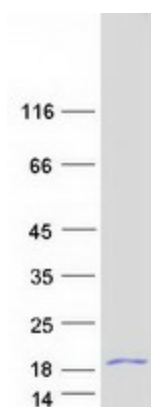
RefSeq ORF: 429

Synonyms: ARAP; MK; NFGF2

**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# [TP303995]). The protein was produced from HEK293T cells transfected with MDK cDNA clone (Cat# [RC203995]) using MegaTran 2.0 (Cat# [TT210002]).