

## Product datasheet for PH322819

### MCK10 (DDR1) (NM\_013994) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DDR1 MS Standard C13 and N15-labeled recombinant protein (NP_054700)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222819
Predicted MW:	101.8 kDa
Protein Sequence:	RC222819
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_054700</a>
RefSeq Size:	3678
RefSeq ORF:	2757
Synonyms:	CAK; CD167; DDR; EDDR1; HGK2; MCK10; NEP; NTRK4; PTK3; PTK3A; RTK6; TRKE
Locus ID:	780
UniProt ID:	<a href="#">Q08345</a> , <a href="#">A0A024RCJ0</a>
Cytogenetics:	6p21.33



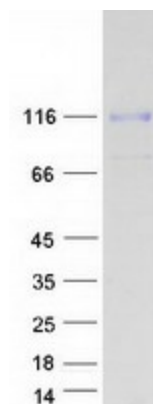
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**Summary:**

Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]

**Protein Families:**

Druggable Genome, Protein Kinase, Transmembrane

**Product images:**

Coomassie blue staining of purified DDR1 protein (Cat# [TP322819]). The protein was produced from HEK293T cells transfected with DDR1 cDNA clone (Cat# [RC222819]) using MegaTran 2.0 (Cat# [TT210002]).