

## Product datasheet for PH307216

### JNK3 (MAPK10) (NM\_002753) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MAPK10 MS Standard C13 and N15-labeled recombinant protein (NP_002744)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207216
Predicted MW:	48.4 kDa
Protein Sequence:	>RC207216 representing NM_002753 Red=Cloning site Green=Tags(s)  MSLHFLYYCSEPTLDVKIAFCQGFQKQVDVSYIAKHYNMSKSKVDNQFYSEVGDSTFTVLKRYQNLKPI GSGAQGIVCAAYDAVLDNRNVAIKKLSRPFQNTAKRAYRELVLMKCVNHKNIISLLNVFTPQKTLEEFQ DYVYLMELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHRDLKPSNIVVKSDCTLKILDFGL ARTAGTSFMTPYVVTRYRAPEVILGMGYKENVDIWSVGCIMGEMVRHKILFPGRDYIDQWNVIEQLG TPCPEFMKKLQPTVRNYVENRPKYAGLTFPKLFPDSLFPADSEHNKLNKASQARDLLSKMLVIDPAKRISV DDALQHPYINWYDPAEVEAPPQIYDKQLDEREHTIEEWKELIYKEVMNSEKTKNGVVKGQPSPSAQV QQ  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- <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:	<u><a href="#">NP_002744</a></u>
RefSeq Size:	2372
RefSeq ORF:	1266
Synonyms:	JNK3; JNK3A; p54bSAPK; p493F12; PRKM10; SAPK1b



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Locus ID: 5602

UniProt ID: [P53779](#)

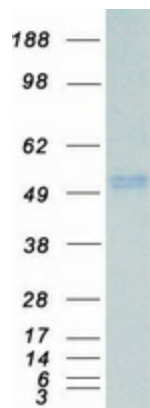
Cytogenetics: 4q21.3

**Summary:** The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as integration points for multiple biochemical signals, and thus are involved in a wide variety of cellular processes, such as proliferation, differentiation, transcription regulation and development. This kinase is specifically expressed in a subset of neurons in the nervous system, and is activated by threonine and tyrosine phosphorylation. Targeted deletion of this gene in mice suggests that it may have a role in stress-induced neuronal apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene, and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Dec 2017]

**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Adipocytokine signaling pathway, Colorectal cancer, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Fc epsilon RI signaling pathway, Focal adhesion, GnRH signaling pathway, Insulin signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway, Type II diabetes mellitus, Wnt signaling pathway

### Product images:



Coomassie blue staining of purified MAPK10 protein (Cat# [TP307216]). The protein was produced from HEK293T cells transfected with MAPK10 cDNA clone (Cat# [RC207216]) using MegaTran 2.0 (Cat# [TT210002]).