

## Product datasheet for PH316502

### IL24 (NM\_006850) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IL24 MS Standard C13 and N15-labeled recombinant protein (NP_006841)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216502
Predicted MW:	23.8 kDa
Protein Sequence:	>Peptide sequence encoded by RC216502 Blue=ORF Red=Cloning site Green=Tag(s)  MNFQQRQLQSLWTLARPFCPPLLATASQMVMVLPCLGFTLLLWSQVSGAQGQEFHFGPCQVKGVVPQKL WEAFWAVKDTMQAQDNITSARLLQQEVLQNVSDAESCYLVHTLLEFYLKTVFKNYHNRTVEVRTLKSFS TLANNFVLIVSQLQPSQENEMFSIRDSAHRRFLLFRAFKQLDVEAALTKALGEVDILLTWMQKFYKL TRTRPLEQKLISEEDLAANDILDYKDDDDKV  Recombinant protein using RC216502 also available, <a href="#">TP316502M</a>
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_006841</a>
RefSeq Size:	1976
RefSeq ORF:	618
Synonyms:	C49A; FISP; IL10B; MDA7; MOB5; ST16
Locus ID:	11009
UniProt ID:	<a href="#">Q13007</a>



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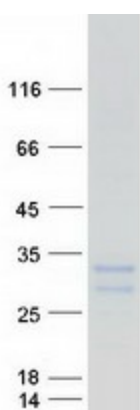
**Cytogenetics:** 1q32.1

**Summary:** This gene encodes a member of the IL10 family of cytokines. It was identified as a gene induced during terminal differentiation in melanoma cells. The protein encoded by this gene can induce apoptosis selectively in various cancer cells. Overexpression of this gene leads to elevated expression of several GADD family genes, which correlates with the induction of apoptosis. The phosphorylation of mitogen-activated protein kinase 14 (MAPK7/P38), and heat shock 27kDa protein 1 (HSPB2/HSP27) are found to be induced by this gene in melanoma cells, but not in normal immortal melanocytes. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

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

**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

### Product images:



Coomassie blue staining of purified IL24 protein (Cat# [TP316502]). The protein was produced from HEK293T cells transfected with IL24 cDNA clone (Cat# [RC216502]) using MegaTran 2.0 (Cat# [TT210002]).