

## Product datasheet for PH309680

### IL23 (IL23A) (NM\_016584) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IL23A MS Standard C13 and N15-labeled recombinant protein (NP_057668)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209680
Predicted MW:	20.8 kDa
Protein Sequence:	>RC209680 protein sequence Red=Cloning site Green=Tags(s)  MLGSRVMLLLLLLPWTAQGRAVPGGSSPAWTQCQQLSQKLCTLAWSAHPLVGHMDLREEGDEETTNDVPH IQCGDGCDPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEPSELLPDSVPGQLHASLLGLSQLLQPEGH HWETQQMPSLSPSQPWQRLLLRFKILRNLQAFVAVAAARVFAHGAATLSP  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_057668</a>
RefSeq Size:	1049
RefSeq ORF:	567
Synonyms:	IL-23; IL-23A; IL23P19; P19; SGRF
Locus ID:	51561
UniProt ID:	<a href="#">Q9NPF7</a>



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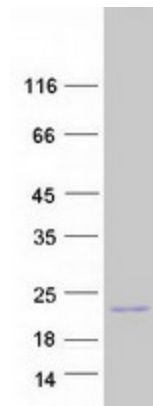
**Cytogenetics:** 12q13.3

**Summary:** This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells. [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 IL23A protein (Cat# [TP309680]). The protein was produced from HEK293T cells transfected with IL23A cDNA clone (Cat# [RC209680]) using MegaTran 2.0 (Cat# [TT210002]).