

## 32-8516: Recombinant Human Interleukin-23/IL-23 (C-6His)(Discontinued)

**Gene :** IL23A  
**Gene ID :** 51561  
**Uniprot ID :** Q9NPF7

### Description

Source: Human Cells.  
MW :54.4kD.

Recombinant Human Interleukin-23 is produced by our Mammalian expression system and the target gene encoding Arg20-Pro189&Ile23-Ser328 is expressed with a 6His tag at the C-terminus. Interleukin 23 (IL-23) is a heterodimeric cytokine composed of two disulfide-linked subunits, a p19 subunit that is unique to IL-23, and a p40 subunit that is shared with IL-12. The p19 subunit has homology to the p35 subunit of IL-12, as well as to other single chain cytokines such as IL-6 and IL-11. The p40 subunit is homologous to the extracellular domains of the hematopoietic cytokine receptors. Although p19 is expressed by activated macrophages, dendritic cells, T cells, and endothelial cells, only activated macrophages and dendritic cells express p40 concurrently to produce IL-23. IL-23 has biological activities that are similar to, but distinct from IL-12. Both IL-12 and IL-23 induce proliferation and IFN-gamma production by human T cells. While IL-12 acts on both naive and memory human T cells, the effects of IL-23 is restricted to memory T cells.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** RAVPGGSSPAWTQCQQLS QKLCTLAWSAHLVGHMDLREEGDEETTNDVPHIQCGDGC DPQGLRDNSQFCL QRIHQGLIFYEKLLGSDIFTGEP SLLPDS PVGQLHASLLGLS QLLQPEGHHWETQQIPSLSPSQPWQRLLLRFKIL RSLQAFVAVAAARVFAHGAATLSPVDH HHHHH&IWELK KD VYVVELDWYPDAPGEMVVLTC DTPPEEDGITWTL DQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGGEVLSHSLLLLHKKEDGIWSTDILKDQKEPKNKTF LRCEAKNY SGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLSAERVRGDNKEYEYSVEQCEDSACPAAEESLPIEV MVDVAVHKLKYENYTSSFFIRDIIKPDPPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKRE KKDRVFTDKTSATVICRKNASISVRAQDRYSSSWSEWASVP CS

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.