

## Product datasheet for **TP727879**

### IL12B Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human IL-23 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ile23-Ser328&Arg20-Pro189
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB,150mM NaCl,pH7.4 .
Note:	Recombinant Human Interleukin-23 is produced by our Mammalian expression system and the target gene encoding Ile23-Ser328&Arg20-Pro189 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	3593
UniProt ID:	<a href="#">P29460</a>
Summary:	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.



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