

## Product datasheet for **TP720043M**

### IL31 (NM\_001014336) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 31 (IL31)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Ser24-Thr164
Tag:	Tag Free
Predicted MW:	15.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Bioactivity:	ED50 is 5 ng/mL as determined by inducing STAT3 activation in U87 MG human glioblastoma/astrocytoma cells.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001014358</a>
Locus ID:	386653
UniProt ID:	<a href="#">Q6EBC2</a>
Cytogenetics:	12q24.31
Synonyms:	IL-31



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**Summary:**

IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM, Mar 2008]

**Protein Families:**

Secreted Protein, Transmembrane

**Product images:**