

# Product datasheet for TP720043XL

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

### **Product data:**

#### OriGene Technologies, Inc.

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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 $\mu m$ 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 $\mu$ g 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 ddH2O. 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:	<u>NP 001014358</u>
Locus ID:	386653
UniProt ID:	Q6EBC2
Cytogenetics:	12q24.31
Synonyms:	IL-31



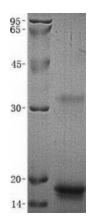
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Summary:IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric<br/>receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively<br/>expressed on epithelial cells and keratinocytes. IL31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

Protein Families: Secreted Protein, Transmembrane

## **Product images:**



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