

Human IL-31 Recombinant Protein

Product Details

Size	10 µg
Species	Human
Expression system	E. coli
Amino acid sequence	SHTLPVRLLR PSDDVQKIVE ELQSLSKMLL KDVEEEKGVL VSQNYTLPCL SPDAQPPNNI HSPAIRAYLK TIRQLDNKSV IDEIIEHLDK LIFQDAPETN ISVPTDTHC KRFILTISQQ FSECMDLALK SLTSGAQQAT T
Molecular weight	15.8 kDa
Class	Recombinant
Type	Protein
Purity	>98% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	Determined by its ability to induce STAT3 activation in U87 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	sequential chromatography
Storage buffer	10mM sodium phosphate, pH 7.5
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Carrier-Free

Reconstitution: Centrifuge the vial briefly, before opening to bring the contents to the bottom. Reconstitute the lyophilized protein in sterile distilled water to a concentration of 0.1-1.0 mg/mL. Do not vortex. For extended storage, dilute the constituted protein in buffered solution containing carrier protein, such as PBS with 0.1% BSA. Apportion the diluted protein into working aliquots, and store at -20°C to -80°C.

Storage: The lyophilized protein is stable at room temperature for 1 month, but should be kept at -20°C to -80°C for long-term storage, preferably desiccated. The reconstituted protein is stable at 2-8°C for up to 1 week. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C. Avoid repeated freeze-thaw cycles.

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