

IL-31R alpha Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77968
Synonyms:	IL-31RA; IL-31R-alpha; Gp130-like receptor; CRL3; GPL; ZcytoR17; GLM-R; CRL3Glmr; GLM-RMGC125346; PRO21384
Species:	Mouse
Source:	HEK293
Accession:	Q8K5B1 (V19-T499)
Gene ID:	218624
Molecular Weight:	80-115 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The IL-31R alpha protein plays a crucial role in immune response, as it forms the interleukin-31 receptor by associating with OSMR. This receptor activates STAT3, and to a lesser extent, STAT1 and STAT5. It is believed to be involved in skin immunity and mediates IL31-induced itch, potentially relying on cation channels TRPA1 and TRPV1. Additionally, IL-31R alpha positively regulates the numbers and cycling status of immature subsets of myeloid progenitor cells in the bone marrow, both in vivo and in vitro, enhancing myeloid progenitor cell survival. It forms a heterodimer with OSMR and interacts with JAK1 and STAT3.
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Caution: Product has not been fully validated for medical applications. For research use only.

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