

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

General Information

Synonyms:	IL-31 receptor subunit alpha; Novel cytokine receptor 10 (NR10); ZcytoR17; Glmr; IL-31RA; Interleukin-31 receptor subunit alpha; Gp130-like monocyte receptor (Gp130-like receptor); IL-31R-alpha; GLM-R (mGLM-R); IL-31R subunit alpha; IL31ra
Protein Construction:	19-499 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q8K5B1
Molecular Weight:	59.2 kDa (predicted)
AA Sequence:	VLPTKPENISCVFYFDRNLTCTWRPEKETNDTSYIVTLTYSYGKSNYSDNATEASYSFPRSCAMPPDICSVEVQ AQNGDGKVKSDITYWHLISIAKTEPPILSVNPICNRMFQIQWKPRESKTRGFPLVCMLEFRFRTVNSSHWTEVNFE NCKQVCNLTGLQAFTEYVLALRFRFNDSRYWSKWSKEETRVTMEEVPHVLDLWRILEPADMNGDRKVRLLW KKARGAPVLEKTFGYHIQYFAENSTNLTEINNITTQYELLMSQAHSVSVTSFNLSGKSQEAILRIPDVHEKTF QYIKSMKAYIAEPLLVNWNQSSIPAVDTWIVEWLPEAAMSKFPALSWESVSQVTNWTIEQDKLPFTCYNISV YPVLGHRVGEPSIQAYAKEGTPKGPETRVENIGLRTATITWKEIPKSARNGFINNYTVFYQAEKELSKTV NSHALQCDLESLTRRTSYTVWVMASTRAGGTNGVRINFKT

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Associates with OSMR to form the interleukin-31 receptor which activates STAT3 and to a lower extent STAT1 and STAT5. May function in skin immunity. Mediates IL31-induced itch, probably in a manner dependent on cation channels TRPA1 and TRPV1. Positively regulates numbers and cycling status of immature subsets of myeloid progenitor cells in bone marrow in vivo and enhances myeloid progenitor cell survival in vitro.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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