

Recombinant Rat Il1rl2

Cat. No. Il1rl2-8342R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il1rl2 was expressed in NSO Cells.
Species	Rat
Source	Mammalian Cells
Description	Interleukin-1 receptor related protein 2 (IL-1 Rrp2) is a receptor for IL-1F6 which is a proinflammatory member of IL-1 family. IL-1F8, and IL-1F9 also signal through IL-1Rrp2 and IL-1RAcP. IL-1F6, IL-1F8 and IL-1F9 are agonists and, along with their receptor IL-1Rrp2, are highly expressed in epithelial cells suggesting a role in immune defense in the skin and the gastrointestinal (GI) tract including the mouth. Synovial fibroblasts and articular chondrocytes also express IL-1Rrp2 and respond to IL-1F8, indicating a possible role in rheumatoid arthritis (RA).
Form	This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.
Molecular Mass	The predicted molecular weight of Recombinant Rat IL-1 Rrp2 is Mr 63 kDa (monomer). However, the actual molecular weight as observed by migration on SDS-PAGE is Mr 100 kDa.
AA Sequence	gnctdvymh hemisegqpf pfnclyppvt ngavnlthwr tpskspisin rhvrihqdq wilflplale dsgiyqcvik dahscyriai nltvfrkhwc dssneessin ssdeyqqwlp igksgsltch lyfpescvld sikwykgcee ikvskkfcp gtlklvnnid vedsgsyacs arthlgrif tvrnyiaavnt kevgsggrip nitypknsi

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evqlgstliv dcnitdtken tnrlcwrnn tlvdyyndf kriqegietn lslnhilyt vnitflevkm edyghpftch
aavsaayiiil krpapdfray diegrmdpks cdkthtcppc papellggps vflfppkpkd tlmisrtpev
tcvvvdvshe dpevkfnwyv dgvevhnakt kpreeqynst yrvvsvltvl hqdwlngkey kckvsnkalp
apiektiska kgqprepvy tlpsrdelt knqvsltclv kgfypsdiav ewesngqpen nykttppvld
sdgsfflysk ltvdksrwqq gnvfscsvmh ealhnhytqk slslspgk

Endotoxin <1.0 eu/μg="" as="" determined="" by="" the="" lal="">

Purity >95% by SDS-PAGE and analyzed by silver stain.

Storage This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name [IL1rl2 interleukin 1 receptor-like 2 \[Rattus norvegicus \]](#)

Official Symbol [IL1rl2](#)

Synonyms [IL1RL2](#); interleukin 1 receptor-like 2; interleukin-1 receptor-like 2; IL-1Rrp2; IL1R-rp2; interleukin-1 receptor-related protein 2;

Gene ID [171106](#)

mRNA Refseq [NM_133575](#)

Protein Refseq [NP_598259](#)

Function interleukin-1 receptor activity; receptor activity; transmembrane signaling receptor

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