

Recombinant Rat IL6ST cell lysate

Cat. No. IL6ST-1882RCL Lot. No. (See product label)

SPECIFICATION

Product Overview	Rat gp130 / IL6ST / CD130 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Rat
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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reducing agent prior to heating.

Stability

Samples are stable for up to twelve months from date of receipt at -80°C

Storage Buffer

50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF

Storage Instruction

Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name

Il6st interleukin 6 signal transducer [*Rattus norvegicus*]

Official Symbol

IL6ST

Synonyms

IL6ST; interleukin 6 signal transducer; interleukin-6 receptor subunit beta; IL-6R subunit beta; membrane glycoprotein 130; IL-6 receptor subunit beta; interleukin-6 signal transducer; oncostatin-M receptor subunit alpha; Gp130; Ac1055; Il-6rb;

Gene ID

25205

mRNA Refseq

NM_001008725

Protein Refseq

NP_001008725

Pathway

Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL-6 Signaling Pathway, organism-specific biosystem; Jak-STAT signaling pathway,

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organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

Function

ciliary neurotrophic factor receptor activity; ciliary neurotrophic factor receptor binding; ciliary neurotrophic factor receptor binding; growth factor binding; contributes_to growth factor binding; contributes_to interleukin-11 binding; contributes_to interleukin-11 receptor activity; interleukin-6 binding; interleukin-6 binding; contributes_to interleukin-6 binding; interleukin-6 receptor activity; contributes_to interleukin-6 receptor activity; interleukin-6 receptor binding; contributes_to interleukin-6 receptor binding; leukemia inhibitory factor receptor activity; contributes_to leukemia inhibitory factor receptor activity; oncostatin-M receptor activity; contributes_to oncostatin-M receptor activity; protein heterodimerization activity; receptor activity;

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