Recombinant Human IL6ST cell lysate

Cat. No. IL6ST-935HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL6ST / gp130 / CD130 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer.Browse all transfected cell lysate positive controls
Species	Human
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 (gp130, oncostatin M receptor) [Homo sapiens]
Official Symbol	IL6ST
Synonyms	IL6ST; interleukin 6 signal transducer (gp130, oncostatin M receptor); interleukin-6 receptor subunit beta; CD130; GP130; CD130 antigen; IL-6R subunit beta; membrane glycoprotein 130; IL-6 receptor subunit beta; membrane glycoprotein gp130; interleukin receptor beta chain; oncostatin-M receptor subunit alpha; gp130 of the rheumatoid arthritis antigenic peptide-bearing soluble form; CDW130; IL-6RB; DKFZp564F053;
Gene ID	3572
mRNA Refseq	NM_001190981
Protein Refseq	NP_001177910
MIM	600694

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UniProt ID	P40189
Chromosome Location	5q11.2
Pathway	Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL-6 Signaling Pathway, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem;
Function	ciliary neurotrophic factor receptor activity; ciliary neurotrophic factor receptor binding; growth factor binding; contributes_to growth factor binding; interleukin-27 receptor activity; contributes_to interleukin-6 binding; contributes_to interleukin-6 receptor activity; contributes_to interleukin-6 receptor activity; contributes_to interleukin-6 receptor binding; contributes_to leukemia inhibitory factor receptor activity; contributes_to oncostatin-M receptor activity; protein binding; protein homodimerization activity; receptor activity;

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