

## Product Datasheet

### RecombinantIL-6,His,Mouse (orb1494698)

<b>Description</b>	Interleukin-6 (IL-6), also known as BSF-2, CDF and IFNB2, is a pleiotropic cytokine that participates in both pro-inflammatory and anti-inflammatory responses. It is produced mainly by T cells, macrophages, monocytes, endothelial cells and muscle cells. IL-6 binds to IL-6 receptor (IL-6R) to trigger the association of IL-6R with gp130, inducing signal transduction through JAKs and STATs. The biological functions of IL-6 are diverse. It stimulates B cell differentiation and antibody production, myeloma and plasmacytoma growth, and nerve cell differentiation. It also acts as a myokine, produced by muscle cells in response to muscle contraction and released into the blood stream to help break down fats and improve insulin resistance.
<b>Endotoxins</b>	< 0.2 EU/μg, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant murine Interleukin-6 (IL-6), His, Murine remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, murine Interleukin-6 (IL-6), His should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH2O or PBS at 100 μg/ml.
<b>Protein Sequence</b>	FPTSQVRRGDFTEDTTPNRPVYTTSQVGGLITHVLWEIVEMRKELCNGNSDCMNND DALA ENNLKLPEIQRNDGCYQ TGY NQEICLLKISSGLLEYHSYLEYMKNNLKD NKDKARVLQRDTETLIHIFNQEVKDLHKIVLPTP ISNALLTDKLESQKEW LRTKTIQFILKSLEEF LKVTLRSTRQTHHHHHH
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Source</b>	CHO
<b>MW</b>	24-26 kDa, observed by reducing SDS-PAGE.

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**Expiration Date**

6 months from date of receipt.

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