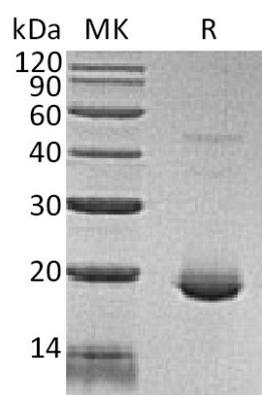




Source:	E.coli
Description:	Recombinant Human Interleukin-6/IL-6 is produced by E.coli expression system and the target gene is expressed.
Accession:	P05231
Known As:	Interleukin-6; IL-6; B-Cell Stimulatory Factor 2; BSF-2; CTL Differentiation Factor; CDF; Hybridoma Growth Factor; Interferon Beta-2; IFN-Beta-2; IL6; IFNB2
Predicted Mol Mass:	20.8kDa
Apparent Mol Mass:	20kDa, reducing conditions
Purification:	Ion-exchange chromatography
Immunoreactivity:	Confirmed by reaction with monoclonal antibodies specific to IL-6.
Formulation:	Supplied as a 0.2 µm filtered solution of PBS, pH7.4
Storage:	Reconstituted protein solution should be stored at ≤ -20°C. Stable for at least 24 months when stored as instructed.
Shipping:	The product is shipped on dry ice pack.Upon receipt, store it immediately at the temperature listed below.
Background:	Cytokines of the IL6/GCSF/MGF family are glycoproteins of about 170 to 180 amino acid residues that contain four conserved cysteine residues involved in two disulfide bonds. They have a compact, globular fold (similar to other interleukins), stabilized by the 2 disulfide bonds. One half of the structure is dominated by a 4 alpha-helix bundle with a left-handed twist; the helices are anti-parallel, with 2 overhand connections, which fall into a 2-stranded anti-parallel beta-sheet. The fourth alpha helix is important to the biological activity of the molecule. Interleukin-6 (IL-6) is an important proinflammatory and immunoregulatory cytokine expressed by various cells. Interleukin-6 has been shown to inhibit the growth of early stage and to promote the proliferation of advanced stage melanoma cells in vitro.
Purity-SDS-PAGE:	



Greater than 95% as determined by reducing SDS-PAGE. (QC verified)