

LIFR Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77058
Synonyms:	Leukemia inhibitory factor receptor; LIF-R; CD118
Species:	Human
Source:	HEK293
Accession:	P42702 (M1-S833)
Gene ID:	3977
Molecular Weight:	Approximately 116.1 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	LIFR protein acts as a signal-transducing molecule that may share a common pathway with IL6ST. Its soluble form functions as an inhibitor by blocking the binding of LIF to receptors on target cells, thereby suppressing its biological activity. LIFR forms a heterodimer with IL6ST, and this heterodimer interacts with the complex formed by CNTF and CNTFR, suggesting potential crosstalk and collaborative actions in cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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