

Recombinant Human Leukemia Inhibitory Factor Receptor Alpha

Cat. No. LIFR-1663H **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	Sf21 Cells
Description	LIFR also known as CD118 (Cluster of Differentiation 118), is a subunit of a receptor for leukemia inhibitory factor. LIFR is necessary for the proper development of motor neurons in brainstem nuclei and the spinal cord. LIFR is composed of a heterodimer LIFR alpha and GP130. LIFR alpha is a glycosylated variant of LIFR and is identical with M1 differentiation inducing activity.
Molecular Weight	The predicted molecular weight of Recombinant Human LIF sR α is Mr 89 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100-110 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid

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Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	LIFR leukemia inhibitory factor receptor alpha [Homo sapiens]
Synonyms	LIFR; leukemia inhibitory factor receptor alpha; SWS; SJS2; STWS; CD118; LIF-R; FLJ98106; FLJ99923; leukemia inhibitory factor receptor; CD118 antigen; LIF receptor
Gene ID	3977
mRNA Refseq	NM_001127671
Protein Refseq	NP_001121143
MIM	151443
UniProt ID	P42702
Chromosome Location	5p13-p12
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	ciliary neurotrophic factor receptor activity; ciliary neurotrophic factor receptor binding; leukemia inhibitory factor receptor activity; oncostatin-M receptor activity; growth factor binding; receptor activity

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