Recombinant Human Leukemia Inhibitory Factor Receptor Alpha

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

SPECIFICATION

Product Overview	
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 sRα 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 ɡ as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃ to -70℃. After aseptic reconstitution, this protein may be stored at 2℃ to

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	8℃ for one month or at -20℃ to -70℃ in a manual defrost freezer. Avoid 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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