

LIFR Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77061
Synonyms:	Leukemia inhibitory factor receptor; LIF-R; CD118
Species:	Mouse
Source:	HEK293
Accession:	P42703/NP_038612.1 (L44-S828)
Gene ID:	16880
Molecular Weight:	96-140 kDa

PROPERTIES

AA Sequence

L K R G V Q D L K C	T T N N M R V W D C	T W P A P L G V S P	G T V K D I C I K D
R F H S C H P L E T	T N V K I P A L S P	G D H E V T I N Y L	N G F Q S K F T L N
E K D V S L I P E T	P E I L D L S A D F	F T S S L L L K W N	D R G S A L P H P S
N A T W E I K V L Q	N P R T E P V A L V	L L N T M L S G K D	T V Q H W N W T S D
L P L Q C A T H S V	S I R W H I D S P H	F S G Y K E W S D W	S P L K N I S W I R
N T E T N V F P Q D	K V V L A G S N M T	I C C M S P T K V L	S G Q I G N T L R P
L I H L Y G Q T V A	I H I L N I P V S E	N S G T N I I F I T	D D D V Y G T V V F
A G Y P P D V P Q K	L S C E T H D L K E	I I C S W N P G R I	T G L V G P R N T E
Y T L F E S I S G K	S A V F H R I E G L	T N E T Y R L G V Q	M H P G Q E I H N F
T L T G R N P L G Q	A Q S A V V I N V T	E R V A P H D P T S	L K V K D I N S T V
V T F S W Y L P G N	F T K I N L L C Q I	E I C K A N S K K E	V R N A T I R G A E
D S T Y H V A V D K	L N P Y T A Y T F R	V R C S S K T F W K	W S R W S D E K R H
L T T E A T P S K G	P D T W R E W S S D	G K N L I V Y W K P	L P I N E A N G K I
L S Y N V S C S L N	E E T Q S V L E I F	D P Q H R A E I Q L	S K N D Y I I S V V
A R N S A G S S P P	S K I A S M E I P N	D D I T V E Q A V G	L G N R I F L T W R
H D P N M T C D Y V	I K W C N S S R S E	P C L L D W R K V P	S N S T E T V I E S
D Q F Q P G V R Y N	F Y L Y G C T N Q G	Y Q L L R S I I G Y	V E E L A P I V A P
N F T V E D T S A D	S I L V K W D D I P	V E E L R G F L R G	Y L F Y F Q K G E R
D T P K T R S L E P	H H S D I K L K N I	T D I S Q K T L R I	A D L Q G K T S Y H
L V L R A Y T H G G	L G P E K S M F V V	T K E N S	

Biological Activity Data is not available.

Appearance Lyophilized powder

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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 ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

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 is a signal-transducing molecule that potentially shares a common pathway with IL6ST. Its soluble form acts as an inhibitor, blocking the binding of LIF to receptors on target cells, thus dampening its biological activity. LIFR forms a heterodimer with IL6ST, and this complex interacts with the complex formed by CNTF and CNTFR, suggesting potential cross-talk and cooperative actions in cellular processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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