

LIFR Protein, Human (HEK293, hFc-Flag)

Cat. No.:	HY-P700418
Synonyms:	LIFR; leukemia inhibitory factor receptor alpha; leukemia inhibitory factor receptor; CD118; LIF receptor; CD118 antigen; SWS; SJS2; STWS; LIF-R; FLJ98106; FLJ99923;
Species:	Human
Source:	HEK293
Accession:	P42702 (Q45-S833)
Gene ID:	3977
Molecular Weight:	119.3 kDa

PROPERTIES

AA Sequence

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

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, 6% Trehalose, 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.

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.

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

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