

CSF1R Protein, Mouse (HEK293, His-Fc)

Cat. No.:	HY-P72952
Synonyms:	Macrophage colony-stimulating factor 1 receptor; CSF-1R; M-CSF-R; CD115; CSF1R; FMS
Species:	Mouse
Source:	HEK 293
Accession:	P09581 (M1-S511)
Gene ID:	12978
Molecular Weight:	Approximately 110 kDa

PROPERTIES

AA Sequence

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M E L G P P L V L L   L A T V W H G Q G A   P V I E P S G P E L   V V E P G E T V T L
R C V S N G S V E W   D G P I S P Y W T L   D P E S P G S T L T   T R N A T F K N T G
T Y R C T E L E D P   M A G S T T I H L Y   V K D P A H S W N L   L A Q E V T V V E G
Q E A V L P C L I T   D P A L K D S V S L   M R E G G R Q V L R   K T V Y F F S P W R
G F I I R K A K V L   D S N T Y V C K T M   V N G R E S T S T G   I W L K V N R V H P
E P P Q I K L E P S   K L V R I R G E A A   Q I V C S A T N A E   V G F N V I L K R G
D T K L E I P L N S   D F Q D N Y Y K K V   R A L S L N A V D F   Q D A G I Y S C V A
S N D V G T R T A T   M N F Q V V E S A Y   L N L T S E Q S L L   Q E V S V G D S L I
L T V H A D A Y P S   I Q H Y N W T Y L G   P F F E D Q R K L E   F I T Q R A I Y R Y
T F K L F L N R V K   A S E A G Q Y F L M   A Q N K A G W N N L   T F E L T L R Y P P
E V S V T W M P V N   G S D V L F C D V S   G Y P Q P S V T W M   E C R G H T D R C D
E A Q A L Q V W N D   T H P E V L S Q K P   F D K V I I Q S Q L   P I G T L K H N M T
Y F C K T H N S V G   N S S Q Y F R A V S   L G Q S K Q L P D E   S
  
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Biological Activity Immobilized mouse CSF1-His at 10 µg/mL (100 µl/well) can bind CSF1R Protein, Mouse (HEK293, His-Fc) and the EC₅₀ is 0.04-0.1 µg/mL. Measured by its ability to inhibit mouse CSF-induced proliferation of M \times NFS \times 60 mouse myelogenous leukemia lymphoblast cells and the ED₅₀ is typically 0.01-0.04 µg/mL in the presence of 3 ng/mL human M-CSF.

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. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

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

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