

GM-CSF Protein, Rat (HEK293, His)

Cat. No.:	HY-P72629
Synonyms:	Granulocyte-Macrophage Colony-Stimulating Factor; GM-CSF; CSF; CSF2; GMCSF
Species:	Rat
Source:	HEK293
Accession:	P48750 (A18-K144)
Gene ID:	116630
Molecular Weight:	17-25 kDa

PROPERTIES

AA Sequence	<p>A P T R S P N P V T R P W K H V D A I K E A L S L L N D M R A L E N E K N E D V</p> <p>D I I S N E F S I Q R P T C V Q T R L K L Y K Q G L R G N L T K L N G A L T M I</p> <p>A S H Y Q T N C P P T P E T D C E I E V T T F E D F I K N L K G F L F D I P F D</p> <p>C W K P V Q K</p>
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 ddH ₂ O. 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	GM-CSF Protein is a cytokine known for its ability to promote the growth and differentiation of hematopoietic precursor cells from multiple lineages, including granulocytes, macrophages, eosinophils, and erythrocytes. It functions as a monomer and interacts with the GM-CSF receptor complex, which consists of two head-to-head hexamers of two alpha, two beta, and two ligand subunits, forming a dodecamer structure (By similarity).
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Caution: Product has not been fully validated for medical applications. For research use only.

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