

## CSF1R Protein, Human (271a.a, HEK293, His)

Cat. No.:	HY-P75326
Synonyms:	Macrophage colony-stimulating factor 1 receptor; CSF-1R; M-CSF-R; CD115; CSF1R; FMS
Species:	Human
Source:	HEK293
Accession:	P07333 (I20-S290)
Gene ID:	1436
Molecular Weight:	Approximately 31.1 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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 <sub>2</sub> O.
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	The CSF1R protein, particularly found in mononuclear phagocytes like macrophages and monocytes, is involved in various biological processes. It promotes the release of pro-inflammatory chemokines in response to IL34 and CSF1, contributing to innate immunity and inflammatory processes. Additionally, CSF1R is crucial for regulating osteoclast proliferation and differentiation, bone resorption, normal bone and tooth development. It is also required for normal fertility in both males and females, as well as for the development of milk ducts and acinar structures in the mammary gland during pregnancy.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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