Bioactive

CSF2 (Canine) Recombinant Protein

Catalog # P8747 Size 2 x 10 ug

Specification

Product Description	Canine CSF2 recombinant protein expressed in *Escherichia coli*.
Sequence	APTRSPTLVTRPSQHVDAIQEALSLLNNSNDVTAVMNKAVKVVSEVFDPEGPTCLETRLQLYKEG LQGSLTSLKNPLTMMANHYKQHCPPTPESPCATQNINFKSFKENLKDFLFNIPFDCWKPVKK
Host	Escherichia coli
Theoretical MW (kDa)	14.2
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 96% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED_{50} is 1-4 ng/mL, measured by the dose-dependent stimulation of the proliferation of human TF1 erythroleukemic cells.
Storage Buffer	Protein (1 mg/mL) was lyophilized after dialysis against a solution containing 1X PBS, pH7.4. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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Gene Info — CSF2

Entrez GeneID	403923
Protein Accession#	P48749
Gene Name	CSF2
Gene Alias	GM-CSF
Gene Description	colony stimulating factor 2 (granulocyte-macrophage)
Gene Ontology	Hyperlink
Other Designations	colony stimulating factor 2|granulocyte-macrophage colony-stimulating factor

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