

Bioactive

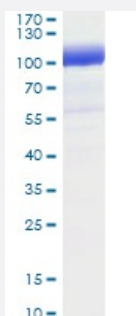
HuPro®

CSFR3 (Human) Recombinant Protein

Catalog # P6762

Size 100 ug

Applications



CSFR3 (Human) Recombinant Protein (Cat #P6762) was determined by SDS-PAGE with Coomassie Blue, showing a band at 90-105 kDa.

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CSFR3 (NP_000751.1, 25 a.a. - 621 a.a.) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	90-105
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Ni-sepharose purification
Purity	> 95% by SDS-PAGE

Endotoxin Level	< 0.1 EU/ug
Activity	Measured by the ability to inhibit the GCSF-induced proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED ₅₀ for this effect is typically 31.5-126 ng/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue CSFR3 (Human) Recombinant Protein (Cat #P6762) was determined by SDS-PAGE with Coomassie Blue, showing a band at 90-105 kDa.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS, pH 7.4.
Storage Instruction	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution to a concentration of 0.1-0.5 mg/mL in sterile distilled water, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- SDS-PAGE

Gene Info — CSF3R

Entrez GeneID	1441
Protein Accession#	Q99062
Gene Name	CSF3R
Gene Alias	CD114, GCSFR
Gene Description	colony stimulating factor 3 receptor (granulocyte)
Omim ID	138971
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Four transcript variants encoding four different isoforms have been found for this gene, with three of the isoforms being membrane-bound and the other being secreted and soluble. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. [provided by RefSeq]

Other Designations

CD114 antigen|OTTHUMP00000009703|OTTHUMP00000009704|OTTHUMP00000009705|colony stimulating factor 3 receptor|granulocyte colony stimulating factor receptor

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Acute Disease](#)
- [Anemia](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Cell Transformation](#)
- [Chronic Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Kidney Failure](#)
- [Leukemia](#)

- [Myelodysplastic Syndromes](#)
- [Neutropenia](#)
- [Respiratory Syncytial Virus Infections](#)