

Product datasheet for **SC314653**

GCSF Receptor (CSF3R) (NM_156038) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCSF Receptor (CSF3R) (NM_156038) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSF3R
Synonyms:	CD114; CD114 antigen; colony stimulating factor 3 receptor; colony stimulating factor 3 receptor (granulocyte); GCSFR; granulocyte colony stimulating factor receptor; OTTHUMP00000009703; OTTHUMP00000009704; OTTHUMP00000009705
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

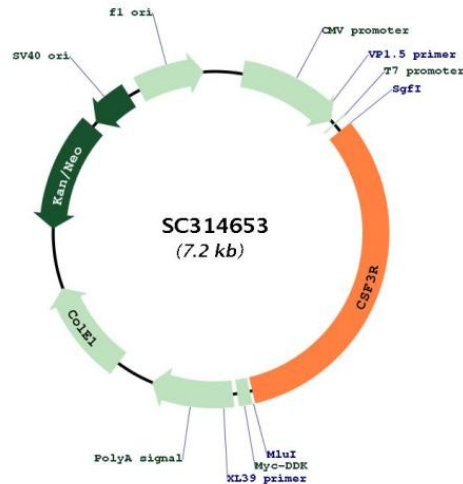


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Fully Sequenced ORF: >SC314653 representing NM_156038.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_156038

Insert Size: 2310 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_156038.2](#)

RefSeq Size: 2909 bp

RefSeq ORF: 2310 bp

Locus ID: 1441

Cytogenetics: 1p34.3

Domains: FN3

Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway, Pathways in cancer
MW:	84.9 kDa
Gene Summary:	<p>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. Alternatively spliced transcript variants have been described. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. [provided by RefSeq, Aug 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon compared to variant 1, that causes a frameshift. The resulting isoform (b), also called G-CSFR-2, is shorter, has a distinct C-terminus, and is soluble compared to isoform a.</p>