

## Product datasheet for **TP305288L**

### MCSF Receptor (CSF1R) (NM\_005211) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human colony stimulating factor 1 receptor (CSF1R), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205288 representing NM_005211 Red=Cloning site Green=Tags(s)

MGPVLLLLLVATAWHGQGIPVIEPSVPELVVKPGATVTLRCVGNLSVEWDGPPSPHWTLYSDGSSSILS  
TNNATFQNTGTYRCTEPGDPLGGSAAIHLYVKDPPARPWNVLAQEVVWFEDQDALLPCLLTDPVLEAGVSL  
VRVRGRPLMRHTNYSFSPWHGFTIHRAKFIQSQDYQCSALMGGRKVMSSIRLKVQKVIPGPPALTLVPA  
ELVRIRGEAAQIVCSASSVDVNFDFLQHNNTKLAIHQQSDFHNNRYQKVLTLNLDQVDFQHAGNYSCVA  
SNVQQKHSTSMFFRVVESAYLNLSSQNLIQEVTVGEGNLKVMVEAYPGLQGFNWTYLGPFSDHQPEPK  
LANVTTKDYRHTFTLSLPRPKPSEAGRYSFLARNPGGWALTFELTLRYPPEVSVIWTFFINGSGTLLCA  
ASGYQPQNVTLQCSGHTDRCDEAQLQVWDDPYPEVLSQEPFHKVTVQSLLTVETLEHNQTYECRAHNS  
VGSGSWAFIPISAGAHTHPPDEFLLTPVWVACMSIMALLLLLLLLLLLYKYKQPKYQVRWKIIESYEGNS  
YTFIDPTQLPYNEKWEFPRNNLQFGKTLGAGAFGKVEATAFGLGKEDAVLKVAVKMLKSTAHADKEKESL  
MSELKIMSHLGQHENIVNLLGACTHGGPVLVITEYCCYGDLLNFLRRKAEAMLGPSLSPGQDPEGGVVDYK  
NIHLEKKYVRRDSGFSSQGVDTYVEMRPVSTSSNDSFSEQDLKEDGRPLELRDLLHFSSQVAQGMFLA  
SKNCIHRDVAARNVLLTNGHVAKIGDFGLARDIMNDSNYIVKGNARLPVKWMAPEIFDCVYTVQSDVWS  
YGILLWEIFSLGLNPYPGILVNSKFYKLVKDGQMAQPAFAPKNIYSIMQACWALEPTHRPTFQQICCSFL  
QEQAQEDRRERDYTNLPSSSRSGSGSSSSSELEESSSEHLTCCEQGDIAQPLLQPNNYQFC

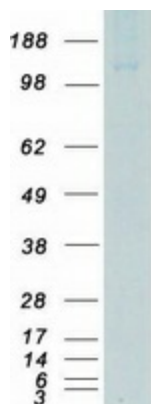
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	107.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005202</a>
<b>Locus ID:</b>	1436
<b>UniProt ID:</b>	<a href="#">P07333</a>
<b>RefSeq Size:</b>	3985
<b>Cytogenetics:</b>	5q32
<b>RefSeq ORF:</b>	2916
<b>Synonyms:</b>	BANDDOS; C-FMS; CD115; CSF-1R; CSFR; FIM2; FMS; HDLS; M-CSF-R
<b>Summary:</b>	<p>The protein encoded by this gene is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. The encoded protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid malignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. Alternative splicing results in multiple transcript variants. Expression of a splice variant from an LTR promoter has been found in Hodgkin lymphoma (HL), HL cell lines and anaplastic large cell lymphoma. [provided by RefSeq, Mar 2017]</p>
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Endocytosis, Hematopoietic cell lineage, Pathways in cancer

**Product images:**

Coomassie blue staining of purified CSF1R protein (Cat# [TP305288]). The protein was produced from HEK293T cells transfected with CSF1R cDNA clone (Cat# [RC205288]) using MegaTran 2.0 (Cat# [TT210002]).