

CSF2RA, 20-320aa, Human, His tag, E.coli

Cat.NO.: TP01738

3th Edition

Synonyms: Colony stimulating factor 2 receptor, alpha, low-affinity, CD116, CDw116, CSF2R, GM-CSF-R-alpha, GMCSFR, GMR, SMDP4

Description: CSF2RA is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. This protein is a member of the cytokine family of receptors. It is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Multiple transcript variants encoding different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble. Recombinant human CSF2RA protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Molecular Weight: 37.2 kDa (324aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSLIPEKSDLRTVAPASSLNVRFDSTMTNLSWDCQENTTFSKCFLTDKKNRVV
EPRLSNNECSCTFREICLHEGVTFEVHVNTSQRGFQQKLLYPNSGREGTAAQNFSCFIYNADLMNCTWARGPTAP
RDVQYFLYIRNSKRRREIRCPYYIQDSGTHVGCHLDNLSGLTSRNYFLVNGTSREIGIQFFDSLDDTKKIERFNPPSN
VTVRCNTTHCLVRWKQPRTYQKLSYLDYQQLDVHRKNTQPGTENLLINVSGDLENRYNFPSSSEPRAKHSVKIRAA
DVRILNWSSWSEAIEFGSDDG

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.