

## 32-7754: Recombinant Human GM-CSF R $\alpha$ /CSF2RA/CD116 (C-6His)

**Gene :** CSF2RA

**Gene ID :** 1438

**Uniprot ID :** P15509

### Description

Source: Human Cells.

MW :35.5kD.

Recombinant Human GM-CSF Receptor alpha is produced by our Mammalian expression system and the target gene encoding Glu23-Gly320 is expressed with a 6His tag at the C-terminus. Granulocyte-Macrophage Colony-Stimulating Factor Receptor Subunit  $\alpha$  (CSF2RA) is a single-pass type I membrane protein which belongs to the type I cytokine receptor family of Type 5 subfamily. The CSF2RA gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes with some of the isoforms being membrane-bound and others being soluble. CSF2RA is a low affinity receptor for granulocyte-macrophage colony-stimulating factor. CSF2RA transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells. Defects in CSF2RA are the cause of pulmonary surfactant metabolism dysfunction type 4 (SMDP4).

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g

**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** EKSDLRTVAPASSLNVRFDSTMTNLSWDCQENTTFSKCFLTDKKNRVVEPRLSNNECSCTFREICL  
HEGVTFEVHVNTSQRGFQQKLLYPNSGREGTAAQNFSCFIYNADLMNCTWARGPTAPRDVQYFL  
YIRNSKRRREIRCPYYIQDSGTHVGCHLDNLSGLTSRNYFLVNGTSREIGIQFFDSLDTKKIERFNP  
PSNVTVRCNTTHCLVRWKQPRTYQKLSYLDYQYQLDVHRKNTQPGTENLLINVSGDLENRYNFPS  
SEPRAKHSVKIRAADVRLNWSSWSEAIEFGSDDGVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.