

Product datasheet for TP306420L

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

IL3RA (NM_002183) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human interleukin 3 receptor, alpha (low affinity) (IL3RA), 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC206420 representing NM_002183 or AA Sequence: Red=Cloning site Green=Tags(s)

MVLLWLTLLLIALPCLLQTKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADYSMPAVNNSYCQF GAISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWIHDVDFLSCSWAVGPGAPADVQYDLYL NVANRRQQYECLHYKTDAQGTRIGCRFDDISRLSSGSQSSHILVRGRSAAFGIPCTDKFVVFSQIEILTP PNMTAKCNKTHSFMHWKMRSHFNRKFRYELQIQKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYE FLSAWSTPQRFECDQEEGANTRAWRTSLLIALGTLLALVCVFVICRRYLVMQRLFPRIPHMKDPIGDSFQ

NDKLVVWEAGKAGLEECLVTEVQVVQKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 41.2 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.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: <u>NP 002174</u>

Locus ID: 3563



IL3RA (NM_002183) Human Recombinant Protein - TP306420L

UniProt ID: P26951

RefSeq Size: 1726 Cytogenetics: X;Y RefSeq ORF: 1134

Synonyms: CD123; hlL-3Ra; lL3RAY; lL3RX; lL3RY

Summary: The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric

cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2

receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y

pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants

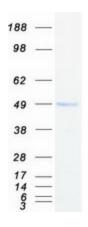
encoding distinct isoforms have been found. [provided by RefSeq, Jun 2012]

Protein Families: Transmembrane

Protein Pathways: Apoptosis, Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT

signaling pathway

Product images:



Coomassie blue staining of purified IL3RA protein (Cat# [TP306420]). The protein was produced from HEK293T cells transfected with IL3RA cDNA clone (Cat# [RC206420]) using MegaTran 2.0 (Cat# [TT210002]).