

Product datasheet for PH306420

OriGene Technologies, Inc.

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IL3RA (NM 002183) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: IL3RA MS Standard C13 and N15-labeled recombinant protein (NP_002174)

Species: Human **HEK293 Expression Host: Expression cDNA Clone**

or AA Sequence:

RC206420

Predicted MW: 43.33 kDa

>RC206420 representing NM_002183 **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MVLLWLTLLLIALPCLLQTKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADYSMPAVNNSYCQF GAISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWIHDVDFLSCSWAVGPGAPADVQYDLYL NVANRRQQYECLHYKTDAQGTRIGCRFDDISRLSSGSQSSHILVRGRSAAFGIPCTDKFVVFSQIEILTP PNMTAKCNKTHSFMHWKMRSHFNRKFRYELQIQKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYE FLSAWSTPORFECDOEEGANTRAWRTSLLIALGTLLALVCVFVICRRYLVMORLFPRIPHMKDPIGDSFO

NDKLVVWEAGKAGLEECLVTEVQVVQKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

>0.05 µg/µL as determined by microplate BCA method **Concentration:**

Labeling Method: Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 002174

RefSeg Size: 1726 RefSeq ORF: 1134

Synonyms: CD123; hIL-3Ra; IL3R; IL3RAY; IL3RX; IL3RY

Locus ID: 3563



IL3RA (NM_002183) Human Mass Spec Standard - PH306420

UniProt ID: P26951

Cytogenetics: X;Y

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

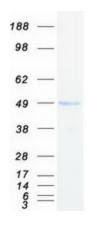
encoding distinct isoforms have been found. [provided by RefSeq, Jun 2012]

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]).