

Product datasheet for PH305386

IL5RA (NM_175725) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IL5RA MS Standard C13 and N15-labeled recombinant protein (NP_783852)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205386
Predicted MW:	38 kDa
Protein Sequence:	>RC205386 protein sequence Red=Cloning site Green=Tags(s)

MIIVAHVLLILLGATEILQADLLPDEKISLLPPVNFITIKVTGLAQVLLQWKPNDQEQRNVNLEYQVKIN
APKEDDYETRITESKCVTILHKGFSASVRTILQNDHSSLASSWASAEHAPPSPGTSIVNLTCTTNTTE
DNYSRLRSYQVSLHCTWLVGTDAPEDTQYFLYYRYGSWTEECQEYSKDTLGRNIACWFPRTFILSKGRDW
LAVLVDGSSKHSAIRPFDQLFALHAIDQINPLNVTAEIEGTRLSIQWEKPVSAFPIHCFDYEVKIHNR
NGYLQIEKLMTNAFISIIDDLISKYDVQVRAAVSSMCREAGLWSEWSQPIYVGFSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_783852
RefSeq Size:	1722
RefSeq ORF:	1005
Synonyms:	CD125; CDw125; HSIL5R3; IL5R
Locus ID:	3568



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UniProt ID: [Q01344](#), [Q01344-2](#)

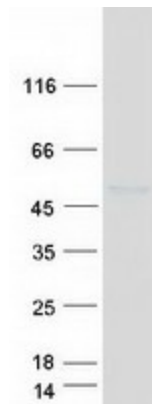
Cytogenetics: 3p26.2

Summary: The protein encoded by this gene is an interleukin 5 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 IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Several alternatively spliced transcript variants encoding four distinct isoforms have been reported. [provided by RefSeq, Jul 2011]

Protein Families: Druggable Genome, Transmembrane

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

Product images:



Coomassie blue staining of purified IL5RA protein (Cat# [TP305386]). The protein was produced from HEK293T cells transfected with IL5RA cDNA clone (Cat# [RC205386]) using MegaTran 2.0 (Cat# [TT210002]).