

## Product datasheet for TP305386

### IL5RA (NM\_175725) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 5 receptor, alpha (IL5RA), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205386 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MIIVAHVLLILLGATEILQADLLPDEKISLLPPVNFTIKVTGLAQVLLQWKPNPDQEQRNVNLEYQVKIN            APKEDDYETRITESKCVTILHKGFSASVRTILQNDHSSLASSWASAEHLHAPPGSPGTSIVNLTCTTNTTE            DNYSRLRSYQVSLHCTWLVGTDAPEDTQYFLYRYGWSWTEECQEYSKDTLGRNIACWFPRTFILSKGRDW            LAVLVDGSSKHSAIRPFDQLFALHAIDQINPPLNVTAEIEGTRLSIQWEKPVSAFPIHCFDYEVKIHNTNTR            NGYLQIEKLMTNAFISIIDDLISKYDVQVRAAVSSMCREAGLWSEWSQPIYVGFSSR</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	37.8 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:	<a href="#">NP_783852</a>
Locus ID:	3568



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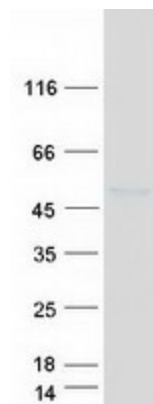
UniProt ID:	<a href="#">Q01344</a> , <a href="#">Q01344-2</a>
RefSeq Size:	1722
Cytogenetics:	3p26.2
RefSeq ORF:	1005
Synonyms:	CD125; CDw125; HSIL5R3; IL5R

**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]).