**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

# Product datasheet for TP727713

## IL5RA Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant Human Interleukin-5 Receptor Subunit Alpha/IL-5 RÎ±(C-6His) |
| **Species:** | Human |
| **Expression cDNA Clone or AA Sequence:** | Asp21-Glu335 |
| **Tag:** | C-His |
| **Buffer:** | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4. |
| **Note:** | Recombinant Human Interleukin-5 Receptor Subunit Alpha is produced by our Mammalian expression system and the target gene encoding Asp21-Glu335 is expressed with a 6His tag at the C-terminus. |
| **Storage:** | 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. |
| **Stability:** | 12 months from date of despatch |
| **Locus ID:** | 3568 |
| **UniProt ID:** | Q01344 |
| **Summary:** | Interleukin-5 Receptor alpha (IL-5RÎ±, CD125) is a 60 kDa hematopoietin receptor that plays a dominant role in eosinophil biology. Mature human IL-5 RÎ± consists of a 322 aa extracellular domain (ECD) with a WSxWS motif and a four cysteine motif, a 20 aa transmembrane segment, and a 58 aa cytoplasmic domain. Within the ECD, human IL-5RÎ± shares 71% aa sequence identity with mouse and rat IL-5 RÎ±. Alternate splicing of human IL-5 RÎ± generates soluble secreted forms which function as IL-5 antagonists. The high affinity receptor for IL-5 is a complex that consists of the ligand binding IL-5 RÎ± and the transmembrane common Î² chain (Î²c/CD131) which is shared with the receptor complexes for IL-3 and GMCSF. IL-5 RÎ± binds IL-5 at low affinity and then associates with preformed Î²c oligomers to form the signaling competent receptor complex. IL-5 stimulation of CD34+ hematopoietic progenitor cells induces the up-regulation of transmembrane IL-5RÎ± followed by eosinophilic differentiation and activation. |

View online »