

Product Datasheet

Recombinant IL-5R α , Human (orb1494702)

Description	Interleukin-5 Receptor Alpha (IL-5RA), also known as CD125, belongs to the Type 5 subfamily in the type I cytokine receptor family. It is composed of a ligand-specific alpha subunit and a signal-transducing beta subunit shared by the receptors for IL-3 and GM-CSF. IL-5RA is mainly expressed on eosinophils and basophils, and plays important roles in the immunobiology of these cell types. It is reported that when stimulated by IL-5, eosinophils down-regulate surface IL-5RA expression to attenuate their IL-5 responsiveness. Elevated IL-5 production may induce immune cell infiltration which leads to allergic inflammation. IL-5RA has also been reported to promote the differentiation of basophils and B cells.
Endotoxins	< 0.2 EU/ μ g, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Human Interleukin-5 Receptor Alpha remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human Interleukin-5 Receptor Alpha should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Protein Sequence	DLLPDEKISLLPPVNFTIKVTGLAQVLLQWKPNPDQEQRNVNLEYQVKINAPKEDDYETRITR SKCVTILHKGFSASVRT ILQNDHSSLASSWASAELHAPPGSPGTSIVNLTCTTNTTEDNYSRLRSYQVSLHCTWLVTG DAPEDTQYFLYRYGSWTE ECQEYSKDTLGRNIACWFPRTFILSKGRDWLAVLVNGSSKHSAIRPFDQLFALHAIDQINPPL NVTAEIEGTRLSIQWEK PVSAPPIHCFDYEVKIHNRNGYLQIEKLMTNAFISIIDDLSKYDVQVRAAVSSMCREAGLWS EWSQPIYVGNDE
Purity	> 95% as analyzed by SDS-PAGE and HPLC.

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Source	CHO
MW	53-56 kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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