Product Datasheet

RecombinantIL-2Rα,His,Human (orb1494639)

Description	Interleukin-2 receptor (IL-2R) is a heterotrimeric protein expressed on the surface of certain immune cells, such as lymphocytes, that binds and responds to the cytokine IL-2. The IL-2R is made up of 3 subunits - alpha (α), beta (β) and gamma (γ). The α and β chains are involved in binding IL-2, while signal transduction following cytokine interaction is carried out by the γ-chain, along with the β subunit. The β and γ chains of the IL-2R are members of the type I cytokine receptor family. IL-2R has a high binding affinity to IL-2 and is expressed by antigen-activated T lymphocytes (T cells). IL-2 Rα is also known as CD25, p55, and Tac (activated T cell) antigen.Recombinant Human Interleukin-2 Receptor α (IL-2 R α), His produced in HEK 293 cells is a polypeptide chain containing 205 amino acids. A fully biologically active molecule, rhIL-2 R α has a molecular mass of 42 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Human Interleukin-2 Receptor α remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human Interleukin-2 Receptor α should be stable up to 1 week at 4°C or up to 3 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O or PBS at 100 μg/ml.
Protein Sequence	HHHHHHHHELCDDDPPEIPHATFKAMAYKEGTMLNCECKRGFRRIKSGSLYMLCTGNSSH SSWDNQCQCTSSATRNTTKQVTPQPEEQ KERKTTEMQSPMQPVDQASLPGHCREPPPWENEATERIYHFVVGQMVYYQCVQGYRALH RGPAESVCKMTHGKTRWTQPQ LICTGEMETSQFPGEEKPQASPEGRPESETSC
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Source	HEK 293

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MW	42 kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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