

Human CellExp™ IL-2 Receptor Alpha, Human Recombinant

08/21

CATALOG NO:	P1746-10 10 µg P1746-50 50 µg
ALTERNATE NAMES:	Soluble IL-2 receptor; TAC-antigen; CD25 antigen; CD25; Interleukin-2 receptor subunit alpha
MOL. WT.	42 kDa (observed)
NCBI GENE ID:	3559
ACCESSION NO.:	P01589
ENDOTOXIN:	< 0.2 EU/µg as determined by LAL method
PURITY:	> 95% by SDS-PAGE
SOURCE:	HEK 293 cells
RECONSTITUTION:	Reconstitute in sterile deionized water or PBS at 100 µg/ml.
SPECIFIC ACTIVITY:	Determined by its ability to increase the proliferation effect of IL-2 in murine CTLL-2 cells. In the presence of 1 ng/ml of recombinant IL-2, ED50 for this effect is < 1.5 µg/ml.
FORM:	Lyophilized
FORMULATION:	Lyophilized after dialysis against PBS
STORAGE CONDITIONS:	Lyophilized protein remains stable up to 6 months at < -70 °C from date of receipt. Upon reconstitution, protein should be stable up to 1 week at 4 °C or up to 3 months at -20 °C.
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.
AMINO ACID SEQUENCE:	<pre> HHHHHHHHEL CDDDPPEIPH ATFKAMAYKE GTMLNCECKR GFRRIKSGSL YMLCTGNSSH SSWDNQCQCT SSATRNTTKQ VTPQPEEQKE RKTTEMQSPM QPVDQASLPG HCREPPPWEN EATERIYHFV VGQMVYYQCV QGYRALHRGP AESVCKMTHG KTRWTQPQLI CTGEMETSQF PGECKPQASP EGRPESETSC </pre>

RELATED PRODUCTS:

Anti-IL-2R alpha (CD25) (Basiliximab), Human IgG1 Antibody (Cat. No. A1098)
 IL-2 (Human) ELISA Kit (Cat. No. E4829)
 Human CellExp™ IL-2, Human Recombinant (Cat. No. P1385)
 Human CellExp™ IL-2, Human Recombinant (Cat. No. 6461)
 Anti-IL-2R alpha (Daclizumab), Human IgG1 Antibody (Cat. No. A1099)
 Human CellExp™ CD25/IL-2R alpha, C-His Tag, Human Recombinant (Cat. No. P1303)

FOR RESEARCH USE ONLY! Not to be used on humans.