

Datasheet for ABIN7583271  
**IL7R Protein (AA 21-239) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg                                      |
| Target:                       | IL7R  |
| Protein Characteristics:      | AA 21-239                                   |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This IL7R protein is labelled with His tag. |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Human IL-7 R alpha&TSLPR Protein   |
| Sequence:        | Glu21-Asp239(IL-7 R alpha) & Gln23-Lys231(TSLPR)   |
| Characteristics: | Recombinant Human IL-7 R alpha&TSLPR Protein is expressed from HEK293 with His tag at the C-terminus.It contains Glu21-Asp239 (IL-7 R alpha) and Gln23-Lys231 (TSLPR). |
| Purity:          | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC   |
| Sterility:       | 0.22 µm filtered   |
| Endotoxin Level: | Less than 1EU per µg by the LAL method.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | IL7R   |
| Alternative Name: | IL-7 R alpha ( <a href="#">IL7R Products</a> ) |

## Target Details

|                   |   |
|-------------------|---|
| Background:       | IL-7R alpha & TSLPR is an heterodimeric receptor, with TSLP as the ligand, which initiates downstream signaling pathways upon binding to TSLP and subsequently participates in thymus development and immune cell generation. Among them, IL-7R alpha is a component of both the IL-7 and TSLP receptors. |
| Molecular Weight: | 31.18 kDa (IL-7 R alpha) and 29.03 kDa (TSLPR). Due to glycosylation, the protein migrates to 58-68 kDa (IL-7 R alpha) and 50-58 kDa (TSLPR) based on Tris-Bis PAGE result.   |
| Pathways:         | <a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Regulation of Cell Size</a>  |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |   |
|------------------|---|
| Format:          | Liquid  |
| Buffer:          | Supplied as 0.22 µm filtered solution in PBS ( pH 7.4).   |
| Storage:         | -80 °C  |
| Storage Comment: | Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date:     | 12 months   |