

Rev03
 Update: Aug,08,2025

DATASHEET

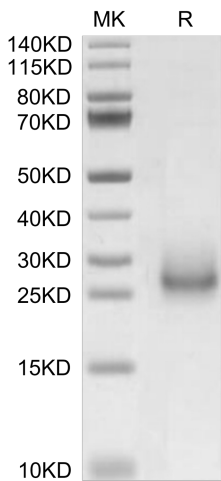
CD7, His, Mouse

Cat. No.: Z04034

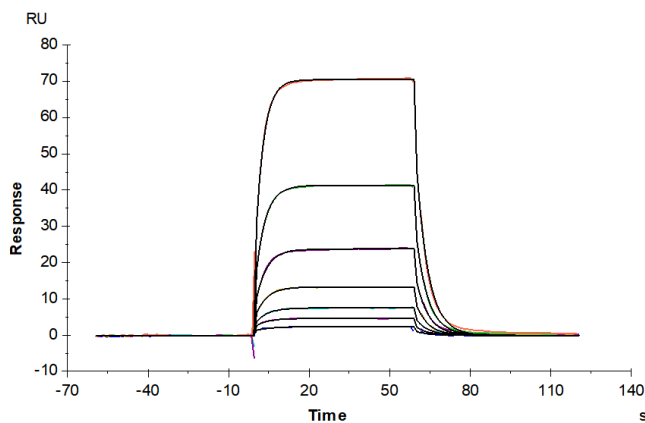
Product Introduction

| | |
|-------------------------------------|--|
| Species | Mouse |
| Protein Construction | <div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; font-size: 0.8em;"> CD7 (Gln24-Pro150) Accession # P50283 </div> <div style="background-color: #76b82a; color: white; padding: 5px; font-size: 0.8em;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: 0.7em;"> N-term C-term </div> |
| Purity | > 95% as determined by Bis-Tris PAGE |
| Endotoxin Level | Less than 1EU per µg by the LAL method. |
| Biological Activity | Human SECTM1, hFc Tag captured on CM5 Chip via Protein A can bind CD7, His, Mouse in SPR assay (Biacore T200). Test result was comparable to standard batch. |
| Expression System | HEK293 |
| Theoretical Molecular Weight | 15.3 kDa |
| Apparent Molecular Weight | Due to glycosylation, the protein migrates to 25-28 kDa based on Bis-Tris PAGE result. |
| Formulation | Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4). |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage & Stability | Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles. |

Examples



CD7, His, Mouse on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Human SECTM1, hFc Tag captured on CM5 Chip via Protein A can bind CD7, His, Mouse, His Tag with an affinity constant of 4.46 μM as determined in SPR assay (Biacore T200) (QC Tets).

Background

Target Background : CD7, also known as Leu-9, is an approximately 40 kDa glycosylated and palmitoylated transmembrane protein in the immunoglobulin superfamily. CD7 is expressed on T cells, NK cells, myeloid progenitor cells, and CD19 B progenitor cells. Among CD8 T cells, the CD7-bright population preferentially contains naïve and memory cells, while more weak expressors are primarily effector cells.

Synonyms : CD7 molecule; CD7; LEU-9; Tp40; TP41; GP40

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China