

Rev04
 Update: Aug,20,2025

DATASHEET

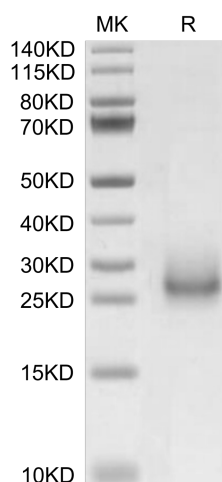
CD7, His, Mouse

Cat. No.: Z04034

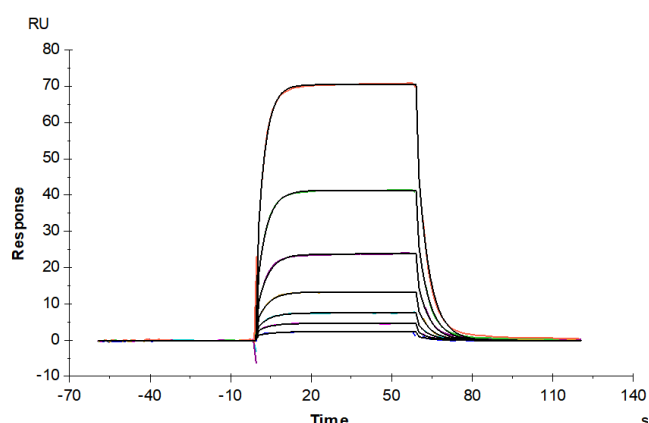
Product Introduction

Species	Mouse
Protein Construction	CD7 (Gln24-Pro150) Accession # P50283 His N-term C-term
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 for 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 μ M 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