Human Nectin-4 Protein, His Tag

Catalog # NE4-H52H3AI2

Application

Human Nectin-4 Protein, His Tag AIDD-Ready protein is designed for direct use in SPR assays. It is supplied in a sugar-free, glycerol-free formulation to eliminate refractive index interference in SPR. No desalting or buffer exchange is required before use, simplifying the SPR workflow. Each tube features a unique barcode and bottom code for precise sample identification, supporting automated, high-throughput workflows and accelerating the transition from AI prediction to wet-lab validation.

Features and Advantages

- **Directly compatible with SPR:** No desalting or buffer exchange required; supplied as a liquid to reduce sample preparation and improve experimental efficiency.
- **High batch-to-batch consistency:** Each lot is released using SPR QC to ensure experimental reproducibility.
- **Validated with representative drugs:** SPR binding activity is validated using representative drug antibodies to ensure suitability for drug screening and evaluation.
- **Unique Tube Identification:** Each tube features a unique barcode and bottom code, supporting automated and high-throughput workflows. To request the product manifest, please contact our Technical Support team or click the button below.

Synonyms

NECTIN4, LNIR, PRR4, PVRL4

Source

Human Nectin-4 Protein, His Tag (NE4-H52H3AI2) is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Ser 349 (Accession # Q96NY8-1).

Predicted N-terminus: Gly 32

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 36.0 kDa. The protein migrates as 38-41 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Formulation

Formulated in a proprietary trehalose-free buffer, supplied ready-to-use for SPR/BLI analysis - no buffer exchange required.

For detailed formulation, please refer to the batch-specific COA.

Shipping and Storage

This product is supplied and shipped on dry ice.

Please avoid repeated freeze-thaw cycles.

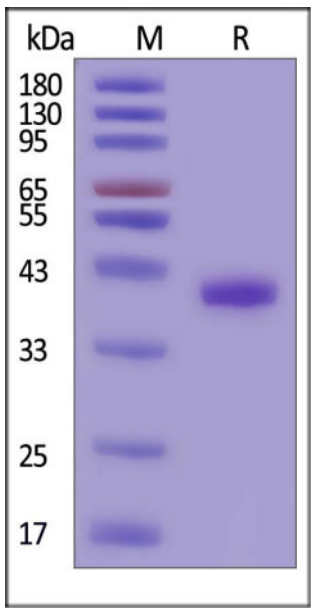
This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

ACRO Quality Management System

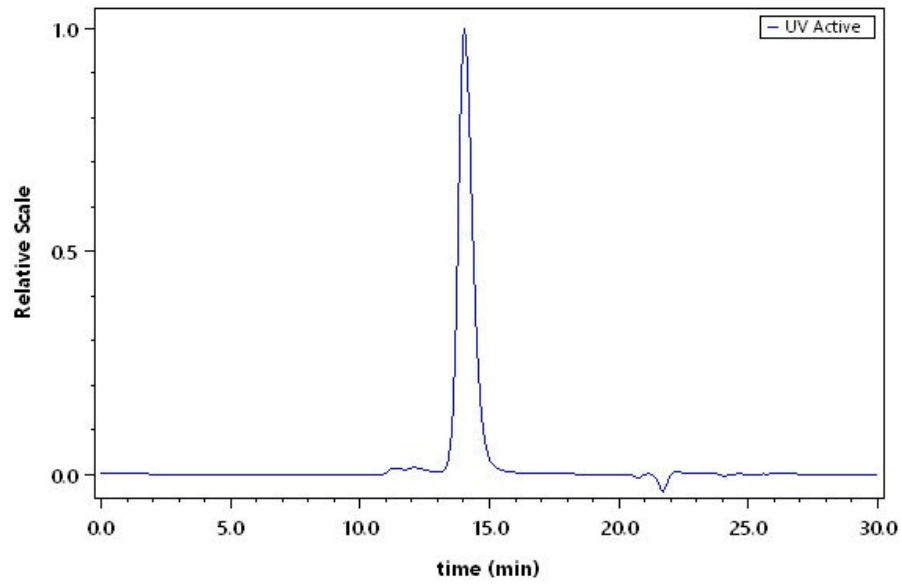
- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

SDS-PAGE



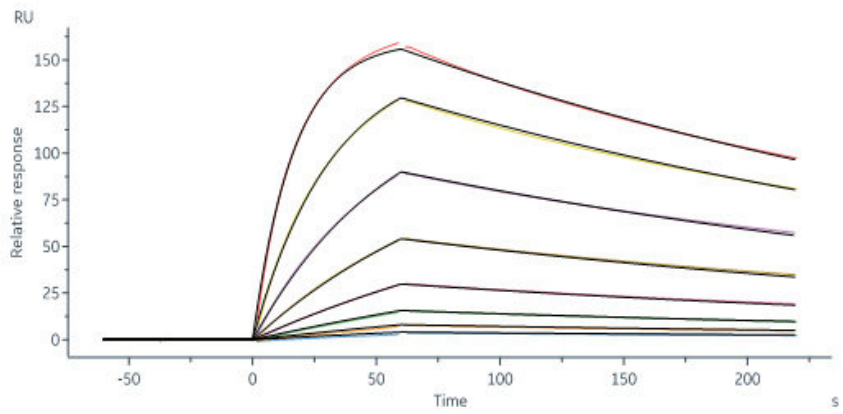
Human Nectin-4 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

SEC-HPLC



The purity of Human Nectin-4 Protein, His Tag (Cat. No. NE4-H52H3AI2) was greater than 90% as determined by SEC-HPLC.

Activity-SPR



Enfortumab captured on Protein A Chip can bind Human Nectin-4 Protein, His Tag (Cat. No. NE4-H52H3AI) with an affinity constant of 3.27 nM as determined in a SPR assay (Biacore 8K) (QC tested).

Background

Nectin-4(Nectin cell adhesion molecule 4) is a Nectin and nectin-like family of cell adhesion molecules. It is found in high levels in normal embryonic and fetal tissues, but decreases after adulthood and is limited in distribution in healthy tissues. Nectin-4 is overexpressed in a variety of tumor cells and promotes tumor cell growth and proliferation. Solid tumors with high expression of Nectin-4 include bladder cancer, pancreatic cancer, triple negative breast cancer, non-small cell lung cancer, stomach cancer, esophageal cancer, ovarian cancer and many other cancers. Studies have found that Nectin-4 promotes tumor cell proliferation, differentiation, migration and invasion by activating the PI3K/Akt pathway, and is believed to play an important role in the occurrence and metastasis of cancer. It is based on these research backgrounds that drug research targeting this target has emerged.

Discounts, Gifts, and more!