北京生夏蛋白
BEIJING LIFE PROTEOMIC

Product Information | Certification of Analysis

I Product Information

CAS: N/A
Lot No.

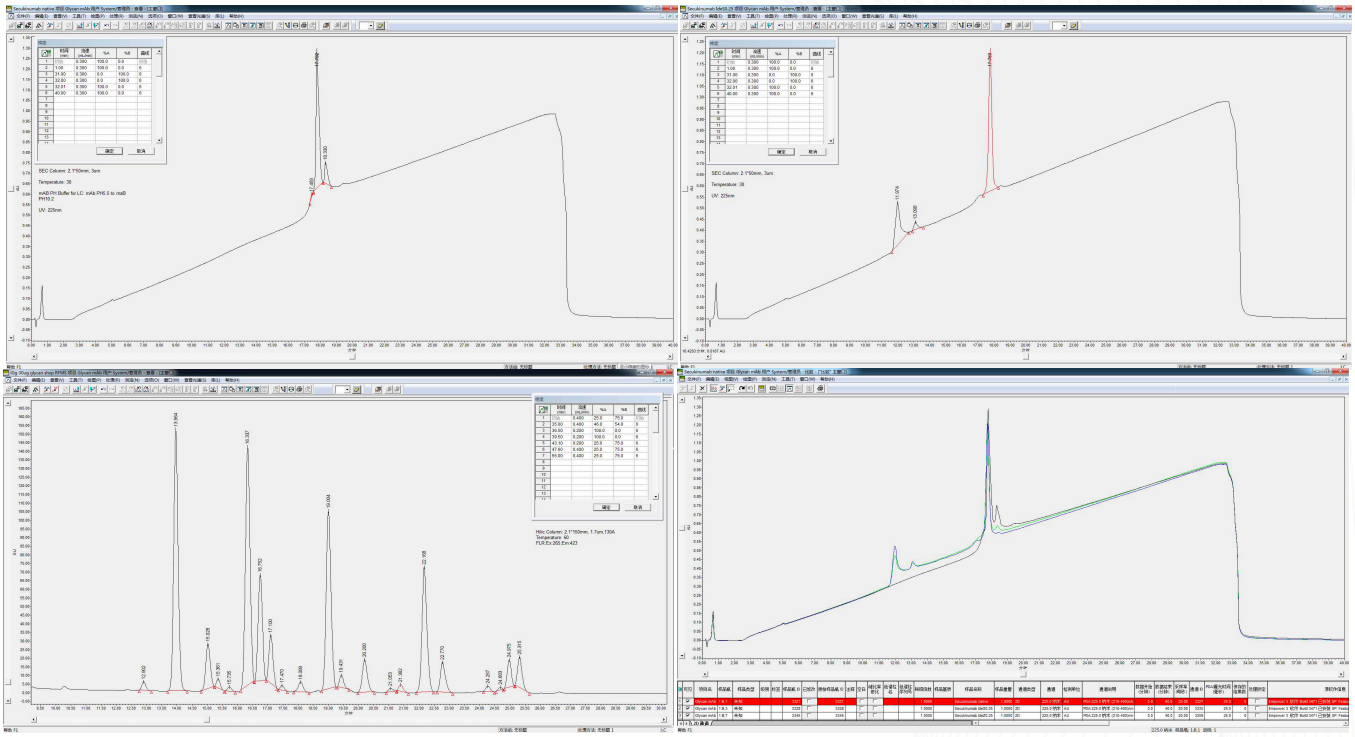
mAb Standard I Mass Spec Grade

Part No.	Name	Size
Secukinumab	mAb Standard	100 µg

Description: Secukinumab monoclonal antibody is an interleukin-17A (IL-17A) inhibitor, which can be used for intact protein quality control (QC) and charge variants (CV). Also, it assists with the mAb subunit and N-glycan LC-MS analysis, purification, and system suitability verification of experimental methods.
Physical Appearance: Mass spectrometry modified trypsin is supplied by lyophilized powder.
Molecular Weight: 147940.0 Da
Mocular Formula: $C_{6584}H_{10134}N_{1754}O_{2042}S_{44}$
Resuspension Buffer: Add a certain amount of pH Buffer to dissolve according to the experimental needs.
Storage Conditions: Store the lyophilized powder at –20°C.
Shelf Life: 24 months at -20 °C.
Amino Acid Sequence:
> Secukinumab Heavy Chain (CAS 875356-43-7)
EVQLVESGGGLVQPGGSLRLSCAASGFTFSNYWMNWVRQAPGKGLEWVAAINQDGSEKYYVGSVKGRFTISRD-
NAKNSLYLQMNSLRVEDTAVYYCVRDYYDILTDYYIHYWYFDLWGRGTLVTVSSASTKGPSVFPLAPSSKSTSG-
GTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKVD-
KRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAK-
TKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKN-
QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHN-
HYTQKSLSLSPGK
> Secukinumab Light Chain (CAS 875356-44-8)
EIVLTQSPGTLSLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYGASSRATGIPDRFSGSGSGTDFTLTISR-
LEPEDFAVYYCQQYGSSPCTFGQGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVD-
NALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

I Quality Control

Purity: 99.5% peak area measured by HPLC at 280 nm.
CV and Subunit by HPLC: The mAb antibody samples were digested with IdeS or IdeZ. Then, the consistency was analyzed by HPLC with SCX 2.1*50 mm column at 30 °C, followed by elution with mAb PH ion mobility buffer.
N-Glycans by HPLC: 15 µg sample was reduced at 95°C, denatured with TCEP, and digested with rPNGase F glycosidase. N-glycans were derivatized into glycosamines with N-glycan labeling reagents. Samples were analyzed by UPLC fluorescence detection using the HILIC column (FLR: Ex: 265 nm; Em: 425 nm).



QA Manager Signature:

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