Genecore Laboratories®

CERTIFICATE OF ANALYSIS

DOC GL-COA
REPORT GL-MTC5036-567-CT
ISSUED 17/05/2026

INDEPENDENT TESTING • QUALITY ASSURANCE • PEPTIDE ANALYSIS • RESEARCH USE ONLY • CONFIDENTIAL

ANALYSED BY AN INDEPENDENT UK LABORATORY PARTNER USING ESTABLISHED HPLC & LC-MS METHODS.

CERTIFICATE ID	PREPARED FOR	SAMPLE	EXPECTED MW
GL-MTC5036-567-CT	Genesis Peptides	Motsc	~1,294.7 Da
SERVICE TIER	**BATCH / LOT**	**ANALYSIS DATE**	**INSTRUMENT**
Combined - HPLC + LC-MS	MTC5036	17/05/2026	Shimadzu LCMS-8040 • PDA
METHOD	**DETECTION**	**MS IONIZATION**	**ACQUISITION**
HPLC + ESI-MS	UV 215 nm (±4)	ESI+ (positive)	Single injection • UV and MS in line
COLUMN	**MOBILE PHASE**	**FLOW RATE**	**SAMPLE QUANTITY**
Zorbax Extend C18, 4.6 x 150 mm	0.1% Formic Acid in Water / 0.1% Formic Acid in Acetonitrile	0.5ml/min	40.00 mg (reconstituted)

00 ASSESSMENT

SAMPLE AS RECEIVED

PURITY – HPLC	✓ 99.44%	Major peak detected at expected retention time. *What this means: the sample is 99.44% pure by HPLC (total peak area).*
IDENTITY – LC-MS	✓ Confirmed	Motsc detected with expected mass. *What this means: the detected molecular weight matches the declared component.*

SAMPLE DESCRIPTION & LAB NOTES

RECORDED ON RECEIPT

FORM	COLOUR	CONDITION	QUANTITY	MS / IDENTITY MATCH
Lyophilized powder	White to off-white	As Expected	40.00 mg	Matches expected

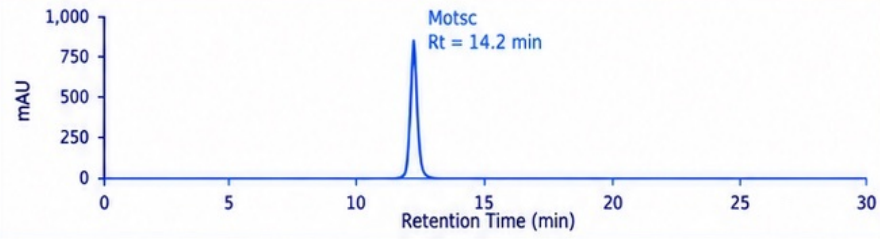
LAB NOTES Motsc detected in line with expected composition.
No unexpected peaks of significance detected.
Quantitation based on UV peak area.



SAMPLE AS RECEIVED

01 HPLC – CHROMATOGRAM

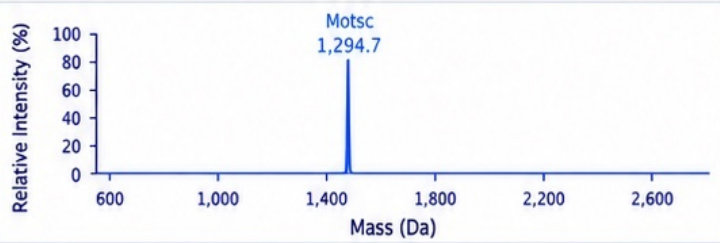
HPLC • PDA • 215 NM



HPLC RESULTS	
Retention Time (Major)	14.2 min
Purity (Area %)	99.44%
Total Impurities	0.56%
Number of Major Peaks	1
Matches Expected	Yes

02 MASS SPECTRUM (DECONVOLUTED)

ESI+ • LC-MS



MS RESULTS (DECONVOLUTED)

Component	Observed Mass (Da)	Expected Mass (Da)	Mass Error (ppm)	Identity
Motsc	1,294.7	1,294.7	0.0	Confirmed