

## Certificate of Analysis

<b>Product Name:</b>	hFSH- $\beta$ -(33-53) (TFA)
<b>Cat. No.:</b>	CS-0369060
<b>Batch No.:</b>	149392
<b>Chemical Name:</b>	L-Phenylalanine, L-tyrosyl-L-threonyl-L-arginyl-L- $\alpha$ -aspartyl-L-leucyl-L-valyl-L-tyrosyl-L-lysyl-L- $\alpha$ -aspartyl-L-prolyl-L-alanyl-L-arginyl-L-prolyl-L-lysyl-L-isoleucyl-L-glutamyl-L-lysyl-L-threonyl-L-cysteinyl-L-threonyl- (TFA)

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Formula:</b>	C <sub>115</sub> H <sub>183</sub> N <sub>31</sub> O <sub>32</sub> S.xC <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	2543.94 (free acid)
<b>Storage:</b>	-80°C, 2 years; -20°C, 1 year (Sealed storage, away from moisture)
<b>Chemical Structure:</b>	

YTRDLVYKDPARPKIQKTCTF (TFA salt)

### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b>MS:</b>	Consistent with structure
<b>Purity (HPLC):</b>	97.49%
<b>Elemental Analysis</b>	
<b>Theoretical:</b>	C(-), H(-), N(-), Peptide Content( $\geq$ 60.0%)
<b>Result:</b>	C(44.40%), H(5.89%), N(12.80%), Peptide Content(75.00%)
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA