

## **HMG**

White powder in sealed vial

Expected MW:

FSH+LH alpha (10642.21 Da):

VLHSAPDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTSESTCCVAKSYNRVTVM  
GGFKVENHTACHCSTCYHKS

FSH beta (12485.11 Da):

NSCELTNITIAIEKEECRFCISINTTWCAGYCYTRDLVYKDPARPKIQKTCTFKELVYETVRVPGCAHHADSLYTYPVAT  
QCHCGKCDSDSTDCTVRGLGPSYCSFGEMKE

LH beta (13202.5 Da):

SREPLRPWCHPINAILAVEKEGCPVCITVNTTICAGYCPTMMRVLQAVLPPLPQVVCTYRDVRFESIRLPGCPRGVD  
PVVSFPVALSCRCGPCRRSTSDCGGPKDHPLTCDHPQLSGLLFL

Found: 10648 Da, 12382 and 13242 Da with multiple glycosylation variants as the dominant macromolecular masses.

Observed masses match the HMG constituent proteins.

Amino acid analysis: Vial contains  $7.5 \pm 0.4$   $\mu\text{g}$  of protein.

