

## APT STAT3

Cat. No.:	HY-P10115
CAS No.:	1345420-96-3
Molecular Formula:	C <sub>158</sub> H <sub>205</sub> N <sub>39</sub> O <sub>36</sub>
Molecular Weight:	3226.56
Sequence:	His-Gly-Phe-Gln-Trp-Pro-Gly-Ser-Trp-Thr-Trp-Glu-Asn-Gly-Lys-Trp-Thr-Trp-Lys-Gly-Ala-Tyr-Gln-Phe-Leu-Lys
Sequence Shortening:	HGFQWPGSWTWENGKWTWKGAYQFLK
Target:	STAT
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## BIOLOGICAL ACTIVITY

### Description

APT<sub>STAT3</sub> is a specific STAT3-binding peptide. APT<sub>STAT3</sub> can bind STAT3 with high specificity and affinity (K<sub>d</sub>231 nmol/L). APT<sub>STAT3</sub> is a tractable agent for translation to target the broad array of cancers harboring constitutively activated STAT3<sup>[1]</sup>.

## REFERENCES

[1]. Kim D, et al. A specific STAT3-binding peptide exerts antiproliferative effects and antitumor activity by inhibiting STAT3 phosphorylation and signaling. Cancer Res. 2014 Apr 15;74(8):2144-51.

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

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