

## RALF1 peptide

<b>Cat. No.:</b>	HY-P10229
<b>Molecular Formula:</b>	C <sub>228</sub> H <sub>363</sub> N <sub>77</sub> O <sub>72</sub> S <sub>4</sub>
<b>Molecular Weight:</b>	5463.05
<b>Sequence:</b>	Ala-Thr-Thr-Lys-Tyr-Ile-Ser-Tyr-Gln-Ser-Leu-Lys-Arg-Asn-Ser-Val-Pro-Cys-Ser-Arg-Arg-Gly-Ala-Ser-Tyr-Tyr-Asn-Cys-Gln-Asn-Gly-Ala-Gln-Ala-Asn-Pro-Tyr-Ser-Arg-Gly-Cys-Ser-Lys-Ile-Ala-Arg-Cys-Arg-Ser (disulfide bridge: Cys18-Cys28, Cys41-Cys47)
<b>Sequence Shortening:</b>	ATTKYISYQSLKRNSVPCSRRGASYNCQNGAQANPYSRGCSKIARCRS (disulfide bridge: Cys18-Cys28, Cys41-Cys47)
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

RALF1 peptide is endogenous signals that inhibits growth of plants through apoplast alkalinization and induction of auxin biosynthesis<sup>[1]</sup>.

### REFERENCES

[1]. Li L, et al., RALF1 peptide triggers biphasic root growth inhibition upstream of auxin biosynthesis. Proc Natl Acad Sci U S A. 2022 Aug 2;119(31):e2121058119.

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

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