

## BDC2.5 mimotope 1040-31

Cat. No.:	HY-P1822
CAS No.:	329696-49-3
Molecular Formula:	C <sub>63</sub> H <sub>97</sub> N <sub>17</sub> O <sub>14</sub> S
Molecular Weight:	1348.61
Sequence Shortening:	YVRPLWVRME
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder    -80°C    2 years -20°C    1 year  * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

### BIOLOGICAL ACTIVITY

Description	BDC2.5 mimotope 1040-31, a BDC2.5 TCR reactive peptide, is a strong agonistic peptide for diabetogenic T cell clone BDC2.5, and the 1040-31 peptide is specific for BDC 2.5 TCR Tg <sup>+</sup> T cells <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Dai YD, et al. A peptide of glutamic acid decarboxylase 65 can recruit and expand a diabetogenic T cell clone, BDC2.5, in the pancreas. J Immunol. 2005 Sep 15;175(6):3621-7.
- [2]. Masteller EL, et al. Expansion of functional endogenous antigen-specific CD4+CD25+ regulatory T cells from nonobese diabetic mice. J Immunol. 2005 Sep 1;175(5):3053-9.

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

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