G6PI 325-339 (human)

Cat. No.:	HY-P10109
CAS No.:	1174631-35-6
Molecular Formula:	$C_{82}H_{117}N_{19}O_{21}S_3$
Molecular Weight:	1801.12
Sequence:	Ile-Trp-Tyr-Ile-Asn-Cys-Phe-Gly-Cys-Glu-Thr-His-Ala-Met-Leu
Sequence Shortening:	IWYINCFGCETHAML
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	G6PI 325-339 (human) is an efficient inducer of arthritis in B10.Q mice. G6PI 325-339 (human) primes Th1 and Th17 cells cross-reacted with the murine G6PI protein. G6PI 325-339 (human) induces arthritis model operating through a T and B cell-dependent pathway but without antibody effector mechanisms[1].

REFERENCES

[1]. Angela Pizzolla, et al. A glucose-6-phosphate isomerase peptide induces T and B cell-dependent chronic arthritis in C57BL/10 mice: arthritis without reactive oxygen species and complement. Am J Pathol. 2013 Oct;183(4):1144-1155.

[2]. Bruns L, et al. Immunization with an immunodominant self-peptide derived from glucose-6-phosphate isomerase induces arthritis in DBA/1 mice. Arthritis Res Ther. 2009;11(4):R117.

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