

Interphotoreceptor Retinoid Binding Protein Fragment (IRBP)

Cat. No.:	HY-P1861
CAS No.:	211426-18-5
Molecular Formula:	C ₁₀₃ H ₁₅₇ N ₂₅ O ₂₉
Molecular Weight:	2209.5
Sequence:	Ser-Gly-Ile-Pro-Tyr-Ile-Ile-Ser-Tyr-Leu-His-Pro-Gly-Asn-Thr-Ile-Leu-His-Val-Asp
Sequence Shortening:	SGIPYIISYLHPGNTILHVD
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description

Interphotoreceptor Retinoid Binding Protein Fragment (IRBP), a 20-residue peptide and a major pathogenic epitope, is present in the first homologous repeat of the interphotoreceptor retinoid binding protein peptide (IRBP 161–180), which can induce posterior uveitis (EAU)^[1].

REFERENCES

- [1]. Tang J, et al. Autoimmune uveitis elicited with antigen-pulsed dendritic cells has a distinct clinical signature and is driven by unique effector mechanisms: initial encounter with autoantigen defines disease phenotype. *J Immunol.* 2007 May 1;178(9):578-87.
- [2]. Cortes LM, et al. Inhibitory peptide analogs derived from a major uveitogenic epitope protect from antiretinal autoimmunity by inducing type 2 and regulatory T cells. *J Leukoc Biol.* 2008 Aug;84(2):577-85.
- [3]. Yang H, et al. Activation of liver X receptor alleviates ocular inflammation in experimental autoimmune uveitis. *Invest Ophthalmol Vis Sci.* 2014 Apr 28;55(4):2795-804.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA