



LKT Laboratories, Inc.

## Myelin Basic Protein (1-11), human

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### Product Information

Product ID M9643

CAS No. 106128-98-7

Chemical Name

Synonym

Formula  $C_{52}H_{88}N_{22}O_{17}$

Formula Wt. 1293.42

Melting Point

Purity  $\geq 95\%$

Solubility Soluble in water.

Store Temp  $-20^{\circ}C$

Ship Temp Ambient

**Description** Myelin basic protein (1-11) is a peptide antigen fragment that may bind to receptors expressed by T cells involved in autoimmune diseases such as multiple sclerosis. Administration of myelin basic protein (1-11) decreases expression of IL-12 in the lymph nodes of mice with experimental autoimmune encephalitis (EAE), an animal model of multiple sclerosis; IL-12 appears to play a protective role against EAE pathology and development.

Ac-Ala-Ser-Gln-Lys-Arg-Pro-Ser-Gln-Arg-His-Gly-OH

**Bulk quantities available upon request**

Product ID	Size
M9643	1 mg
M9643	2 mg
M9643	5 mg

**References** Buenafe AC, Sherwood C, Moes N, et al. Recombinase-activating gene 1-associated expression of the myelin basic protein 1-11-specific transgenic T-cell receptor in H-2b mice. *J Neurosci Res.* 2009 Jan;87(1):42-9. PMID: 18752298.

Zhang GX, Xu H, Kishi M, et al. The role of IL-12 in the induction of intravenous tolerance in experimental autoimmune encephalomyelitis. *J Immunol.* 2002 Mar 1;168(5):2501-7. PMID: 11859144.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.