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## Proinsulin 73-90 Peptide

### Product information

Catalog no. 1119  
Quantity: 1.0 mg

### Description:

Proinsulin is considered an important autoantigen in type 1 diabetes (T1D). Autoreactivity to Proinsulin is very common in T1D patients with the HLA-DR $\beta$ 1\*0401 haplotype. The Proinsulin 73-90 peptide has been identified as an immunodominant T cell epitope of HLA-DRB1\*0401 subjects with beta-islet cell autoimmunity.

**Sequence:** GAGSLQPLALEGSLQKRG

**Storage:** Store frozen at  $\leq$ minus 20°C

**Solubility:** The peptide is readily soluble in water or phosphate buffered saline.

### References:

1. Durinovic-Bello et. al., DR $\beta$ 1\*0401-restricted human T cell clone specific for the major proinsulin 73-90 epitope expresses a down-regulatory T helper 2 phenotype. Proc. Natl. Acad. Sci. (2006) 103(31): 11683-11688.