

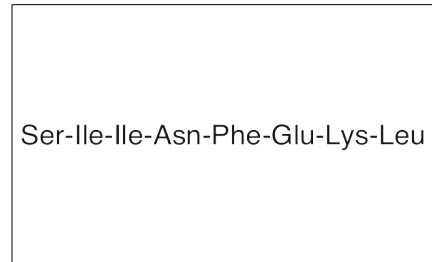
# LKT Laboratories, Inc.

## Ovalbumin Fragment (257-264)

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** O8500  
**CAS No.**  
**Chemical Name**  
  
**Synonym** albumin, OVA (257-264)



Ser-Ile-Ile-Asn-Phe-Glu-Lys-Leu

**Formula** C<sub>45</sub>H<sub>74</sub>N<sub>10</sub>O<sub>13</sub>  
**Formula Wt.** 963.2  
**Melting Point**  
**Purity** ≥98%  
**Solubility** Moderately soluble in water.

### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size
O8500	1 mg
O8500	2 mg

**Store Temp** -20° C  
**Ship Temp** Ambient

**Description** Ovalbumin (257-264) is an antigenic peptide fragment of ovalbumin that contains a CD8+ cytotoxic T-cell (CTL)-specific epitope with the sequence 'SIINFEKL.' This fragment is administered in vaccines to stimulate a Th1 immune response.

- References** Cheng WK, Wee K, Kollmann TR, et al. Topical CpG adjuvantation of a protein-based vaccine induces protective immunity to *Listeria monocytogenes*. *Clin Vaccine Immunol*. 2014 Mar;21(3):329-39. PMID: 24391136.
- Xie Y, Wang L, Freywald A, et al. A novel T cell-based vaccine capable of stimulating long-term functional CTL memory against B16 melanoma via CD40L signaling. *Cell Mol Immunol*. 2013 Jan;10(1):72-7. PMID: 23042534.
- Denton AE, Wesselingh R, Gras S, et al. Affinity thresholds for naive CD8+ CTL activation by peptides and engineered influenza A viruses. *J Immunol*. 2011 Dec 1;187(11):5733-44. PMID: 22039305.
- Jameson SC, Bevan MJ. Dissection of major histocompatibility complex (MHC) and T cell receptor contact residues in a Kb-restricted ovalbumin peptide and an assessment of the predictive power of MHC-binding motifs. *Eur J Immunol*. 1992 Oct;22(10):2663-7. PMID: 1396971.

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