

Ovalbumin (OVA) is a member of the serpin superfamily and the predominant glycoprotein found in egg whites. It is a commonly used antigen for immunization and biochemical studies and is an established model allergen for airway hyper-responsiveness.

This mRNA is capped using CleanCap™, TriLink's proprietary co-transcriptional capping method, which results in the naturally occurring Cap 1 structure with high capping efficiency. It is polyadenylated and optimized for mammalian systems. It mimics a fully processed mature mRNA.

TriLink offers both unmodified and 5-methoxyuridine modified OVA mRNA. Exogenous unmodified mRNA activates the innate immune system and production of cytokines, which will influence the overall induced immune response. mRNA modified with 5-methoxyuridine reduces this effect.

L-7610-20 (20 µgrams)  
L-7610-100 (100 µgrams)  
L-7610-1000 (1 mg)  
L-7610-BK (Bulk amount)

1.0 mg/mL in 1mM Sodium Citrate (pH 6.4)  
mRNA Length: 1,437 nucleotides

Store at or below -40°C

### QC Analysis

Identity and Purity  
Agarose Gel Mobility; Pass  
Concentration: ± 6%; Pass

Product released by Quality Assurance

<sup>1</sup>A standard conversion factor of 40 µg/OD<sub>260</sub> was used to calculate quantity.

## Handling

Store at or below -40°C. Thaw and work with mRNA on ice. Upon first use, pulse spin before opening and aliquot into single use portions. Do not vortex. Use only certified RNase-free reagents and consumables with proper RNase-free technique. Use of barrier tips is recommended. Avoid freeze/thaw cycles. Do not mix with media containing serum unless first complexed with a stabilizing transfection reagent.

Products containing the CleanCap technology are for research use only. Not for use in diagnostic or therapeutic procedures. Use of CleanCap technology may be covered by one or more patents or pending Patent Applications. [www.trilinkbiotech.com/cleancap/license.asp](http://www.trilinkbiotech.com/cleancap/license.asp).

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The Modified Nucleic Acid **Experts**™