

Recombinant Chicken OVAL Protein Product Manual

1. Product Basic Information

Product No.: REP07713

Protein Name: Ovalbumin (Serpinb14 (OVAL))

Aliases: ovalbumin (SERPINB14)

UniProt ID: P01012

UniProt Link: <https://www.uniprot.org/uniprotkb/P01012/entry>

Species Source: Gallus gallus (Chicken)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (2-386aa)

Molecular Weight: 44.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (2-386aa)

GSIGAASMEFCFDVFKELKVHHANENIFYCPIAIMSALAMVYLGAKDSTRTQINKVVR
FDKLPFGDSIEAQCGTSVNVHSSLRDILNQITKPNDVYSFSLASRLYAEERYPILPE
YLQCVKELYRGGLEPINFQTAADQARELINSWVESQTNGIIRNVLQPSSVDSQTAMV
LVNAIVFKGLWEKAFKDEDTQAMPFRVTEQESKPVQMMYQIGLFRVASMASEKMKI
LELPFASGTMSMLVLLPDEVSGLEQLESIIINFEKLTTEWTSSNVMEERKIKVYLPRMK
MEEKYNLTSVLMAMGITDVFSSSANLSGISSAESLKISQAVHAAHAEINEAGREVVG
SAEAGVDAASVSEEFRAHPFLFCIKHIATNAVLFFGRCVSP

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Chicken OVAL full length of mature protein protein (2-386aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. OVAL, also known as ovalbumin (SERPINB14, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.