

ODAM Protein, Human, Recombinant (His)

General Information

Synonyms: Odontogenic ameloblast-associated protein;ODAM;Apin

Protein Construction: 16-279 aa

Species: Human

Expression Host: E. coli

Accession: A1E959

Molecular Weight: 33.2 kDa (predicted)

AA Sequence: APLIPQRMSASNSNELLLNNGQLLPLQLQGPLNSWIPPFSGILQQQQQAQIPGLSQFSLSALDQFAGLLP
NQIPLTGEASFAQGAQAGQVDPLQLQTPPQTQPGPSHVMPYVFSFKMPQEQQGMFQYYPVYMLPWEQP
QQTVPSPQQTRQQYEEQIPFYAQFGYIPQLAEPASGGQQQLAFDPQLGTAPEIAVMSTGEEIPYLQKEAI
NFRHDSAGVFMPTSPKPTTNVFTSAVDQTITPELPEEKDKTDSLREP

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris/PBS-based buffer

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tooth-associated epithelia protein that probably plays a role in odontogenesis, the complex process that results in the initiation and generation of the tooth. May be incorporated in the enamel matrix at the end of mineralization process. Involved in the induction of RHOA activity via interaction with ARHGEF and expression of downstream

factors such as ROCK. Plays a role in attachment of the junctional epithelium to the tooth surface.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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