

OriGene Technologies, Inc.

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Product datasheet for TP720424L

Apolipoprotein A I (APOA1) (NM_000039) Human Recombinant Protein

Product data:

| Product Type: | Recombinant Proteins |
|--|--|
| Description: | Recombinant protein of human apolipoprotein A-I (APOA1) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | Arg19-Gln267 |
| Tag: | C-His |
| Predicted MW: | 29.9 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | < 0.1 EU per μ g protein as determined by LAL test |
| Reconstitution Method: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | <u>NP 000030</u> |
| Locus ID: | 335 |
| UniProt ID: | <u>P02647, A0A024R3E3</u> |
| Cytogenetics: | 11q23.3 |
| Synonyms: | apo(a); HPALP2 |
| | |



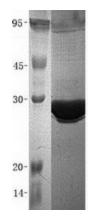
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| | Apolipoprotein A I (APOA1) (NM_000039) Human Recombinant Protein – TP720424L |
|-----------------|---|
| Summary: | This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preproprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein. [provided by RefSeq, Dec 2015] |
| Protein Familie | Druggable Genome, Secreted Protein |

Protein Pathways:

PPAR signaling pathway

Product images:



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