

## Product datasheet for **TP727322**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Apolipoprotein A-I/APOA1
Species:	Human
Expression cDNA Clone or AA Sequence:	Arg19-Gln267
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Recombinant Human Apolipoprotein A-I is produced by our E.coli expression system and the target gene encoding Arg19-Gln267 is expressed.
Stability:	12 months from date of despatch
Locus ID:	335
UniProt ID:	<a href="#">P02647</a>
Summary:	Apolipoprotein A1 (APOA1) is a secreted protein which belongs to the Apolipoprotein A1/A4/E family. APOA1 is the major protein component of high density lipoprotein (HDL) in plasma. APOA1 plays a critical role in various biological processes, such as Cholesterol metabolism, Lipid metabolism and transport, Steroid metabolism. APOA1 promotes cholesterol efflux from tissues to the liver and thus helps to clear cholesterol from arteries. Defects in this gene resulted in HDL deficiencies, including Tangier disease (TGD), systemic non-neuropathic amyloidosis, premature coronary artery disease, hepatosplenomegaly and progressive muscle wasting and weakness. In addition, ApoA-I is implicated in the anti-endotoxin function of HDL via interaction with lipopolysaccharide or endotoxin.



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