

Recombinant Human LDLR Protein, ALA22-ARG788, Tag Free, Biotinylated

Cat. No. LDLR-160H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human LDL receptor protein was developed from HEK293.
Species	Human
Source	HEK293
ProteinLength	ALA22-ARG788
Description	The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. The encoded protein is normally bound at the cell membrane, where it binds low density lipoprotein/cholesterol and is taken into the cell. Lysosomes release the cholesterol, which is made available for repression of microsomal enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, the rate-limiting step in cholesterol synthesis. At the same time, a reciprocal stimulation of cholesterol ester synthesis takes place. Mutations in this gene cause the autosomal dominant disorder, familial hypercholesterolemia. Alternate splicing results in multiple transcript variants.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	FOR RESEARCH USE ONLY (RUO).
Storage	Recombinant LDL receptor can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 to -70 centigrade for 1 year. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilised from 0.2 µm filtered PBS solution, pH 7.2, 5% Trehalose.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	LDLR low density lipoprotein receptor [Homo sapiens (human)]
Official Symbol	LDLR
Synonyms	LDLR; low density lipoprotein receptor; low-density lipoprotein receptor; familial hypercholesterolemia; LDL receptor; low-density lipoprotein receptor class A domain-containing protein 3; FH; FHC; LDLCQ2;
Gene ID	3949
mRNA Refseq	NM_000527
Protein Refseq	NP_000518
MIM	606945
UniProt ID	P01130