Native Human TRPM2

Cat. No. TRPM2-8463H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LPA was purified from Human plasma.
Species	Human
Source	Human
Description	Apoliprotein J (APO-J), also named Clusterin, is a 75-80 kD disulfide-linked heterodimeric protein. The precursor polypeptide chain is cleaved proteolytically to remove the 22-mer secretory signal peptide and subsequently between residues 227/228 to generate the a and b chains. These are assembled in anti-parallel to give a heterodimeric molecule in which the cysteine-rich centers are linked by five disulfide bridges and are flanked by two predicted coiled-coil a-helices and three predicted amphipathic a-helices. Clusterin is up- or down regulated on the mRNA or protein level in many pathological and clinically relevant situations including cancer, organ regeneration, infection, Alzheimer disease, retinitis pigmentosa, myocardial infarction, renal tubular damage, autoimmunity and others.
Form	Sterile filtered and lyophilized from PBS, pH 7.5.
Molecular Mass	75-80 kDa
Endotoxin	<0.1>
Purity	≥5% by SDS - PAGE; ≥5% by HPLC

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

Storage	The lyophilized human Apo-J is best-stored desiccated below 0°C. Reconstituted Apo-J should be stored in working aliquots at -20°C.
Reconstitution	Reconstitute in dH2O to a working volume of 0.5 mg/ml and let the lyophilized pellet dissolve completely.
Shipping	Blue ice

GENE INFORMATION

Gene Name	TRPM2 transient receptor potential cation channel, subfamily M, member 2 [Homo sapiens]
Official Symbol	TRPM2
Synonyms	TRPM2; transient receptor potential cation channel, subfamily M, member 2; TRPC7; transient receptor potential cation channel subfamily M member 2; EREG1; KNP3; LTRPC2; NUDT9H; NUDT9L1; LTrpC-2; transient receptor potential channel 7; long transient recep
Gene ID	7226
mRNA Refseq	NM_003307
Protein Refseq	NP_003298
MIM	603749
UniProt ID	O94759
Chromosome	21q22.3

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Location	
Function	ADP-ribose diphosphatase activity; calcium channel activity; hydrolase activity; ion channel activity; manganese ion transmembrane transporter activity; sodium channel activity;

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