

Native Human TRPM2

Cat. No. TRPM2-8450H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source Human

Description

Apolipoprotein 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 α -helices and three predicted amphipathic α -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

Purity $\geq 5\%$ by SDS - PAGE; $\geq 5\%$ by HPLC

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.

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Reconstitution	Reconstitute in dH ₂ O 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	KNP3; EREG1; TRPC7; LTRPC2; NUDT9H; NUDT9L1; transient receptor potential cation channel subfamily M member 2; LTrpC-2; transient receptor potential channel 7; long transient receptor potential channel 2; estrogen-responsive element-associated gene 1 prot
Gene ID	7226
mRNA Refseq	NM_003307
Protein Refseq	NP_003298
MIM	603749
UniProt ID	O94759
Chromosome Location	21q22.3
Pathway	Ion channel transport, organism-specific biosystem; Oxytocin signaling pathway,

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organism-specific biosystem; Oxytocin signaling pathway, conserved biosystem

Function

ADP-ribose diphosphatase activity; calcium channel activity; manganese ion transmembrane transporter activity

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