

## Product datasheet for **KN209819LP**

### ATP6V0A2 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	ATP6V0A2
Locus ID:	23545
Components:	<p><b>KN209819G1</b>, ATP6V0A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN209819G2</b>, ATP6V0A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN209819LPD</b>, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_012463</a>
UniProt ID:	<a href="#">Q9Y487</a>
Synonyms:	A2; ARCL; ARCL2A; ATP6A2; ATP6N1D; J6B7; RTF; STV1; TJ6; TJ6M; TJ6S; VPH1; WSS
Summary:	<p>The protein encoded by this gene is a subunit of the vacuolar ATPase (v-ATPase), an heteromultimeric enzyme that is present in intracellular vesicles and in the plasma membrane of specialized cells, and which is essential for the acidification of diverse cellular components. V-ATPase is comprised of a membrane peripheral V(1) domain for ATP hydrolysis, and an integral membrane V(0) domain for proton translocation. The subunit encoded by this gene is a component of the V(0) domain. Mutations in this gene are a cause of both cutis laxa type II and wrinkly skin syndrome. [provided by RefSeq, Jul 2009]</p>



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## Product images:

