

## COOK MYOSITE Human Skeletal Muscle Derived Cells (SkMDC) Gene Expression Analysis

PRODUCT LOT: PXXXXX-XXX		CATALOG NUMBER: SK-1111
GENE SYMBOL	GENE NAME	GENE EXPRESSION RELATIVE TO IPO8
<b>ENDOGENOUS CONTROL</b>		
<b>IPO8</b>	importin 8	+
<b>INTERNAL CONTROL</b>		
<b>GAPD/GAPDH</b>	glyceraldehyde-3-phosphate dehydrogenase	++
<b>SKELETAL MUSCLE GENES</b>		
<b>PAX7</b>	paired box 7	+/-
<b>PAX3</b>	paired box 3	+/-
<b>DES</b>	desmin	+++
<b>CD56/NCAM1</b>	neural cell adhesion molecule 1	++
<b>M-CAD/CDH15</b>	cadherin 15, M-cadherin	+
<b>MYOD1</b>	myogenic differentiation 1	+
<b>MYOG</b>	myogenin (myogenic factor 4)	+/-
<b>MYF5</b>	myogenic factor 5	+
<b>MRF4/MYF6</b>	myogenic factor 6 (herculin)	+/-
<b>MYH2</b>	myosin, heavy chain 2, skeletal muscle, adult	-

RELATIVE EXPRESSION LEVEL	CLASSIFICATION
Undetermined	UD
Low	-
↓	+/-
↓	+
↓	++
High	+++

Gene expression analysis of SkMDCs was performed using real-time quantitative reverse transcription PCR. The levels of gene expression relative to the endogenous control gene IPO8 are categorized in the adjacent table ranging from “-” (low expression level) to “+++” (high expression level).