



## Human MICU1 blocking peptide (DAG-P1384)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes an essential regulator of mitochondrial Ca <sup>2+</sup> uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca <sup>2+</sup> channel, and is essential in preventing mitochondrial Ca <sup>2+</sup> overload, which can cause excessive production of reactive oxygen species and cell stress. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2013]
<b>Specificity</b>	Expressed in epithelial cell line. Strongly expressed in epidermal keratinocytes and dermal endothelial cells.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Sequence Similarities</b>	Belongs to the MICU1 family. Contains 2 EF-hand domains.
<b>Format</b>	Lyophilised
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">MICU1 mitochondrial calcium uptake 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MICU1
<b>Synonyms</b>	MICU1; mitochondrial calcium uptake 1; CALC; EFHA3; MPXPS; CBARA1; calcium uptake protein 1, mitochondrial; ara CALC; atopy-related autoantigen CALC; calcium-binding atopy-related autoantigen 1;

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<b>Entrez Gene ID</b>	<a href="#">10367</a>
<b>mRNA Refseq</b>	<a href="#">NM_001195518.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001182447.1</a>
<b>UniProt ID</b>	Q9BPX6
<b>Chromosome Location</b>	10q22.1
<b>Function</b>	calcium ion binding; protein binding; protein heterodimerization activity;

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