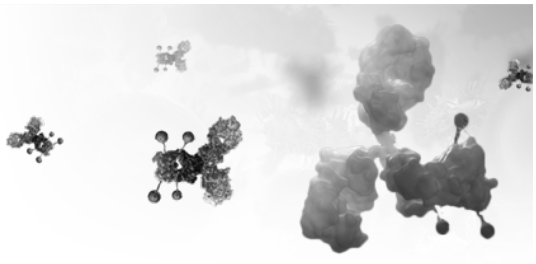

Human PIEZO1 peptide (DAG-P0367)

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

PRODUCT INFORMATION

Antigen Description	Piezos are large transmembrane proteins conserved among various species, all having between 24 and 36 predicted transmembrane domains. Piezo comes from the Greek piesi, meaning pressure. The FAM38A gene encodes PIEZO1, a protein that induces mechanically activated (MA) currents in various cell types (Coste et al., 2010 [PubMed 20813920]).[supplied by OMIM, Nov 2010]
Specificity	Expressed in numerous tissues. In normal brain, expressed exclusively in neurons, not in astrocytes. In Alzheimer disease brains, expressed in about half of the activated astrocytes located around classical senile plaques. In Parkinson disease substantia
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the PIEZO family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PIEZO1 piezo-type mechanosensitive ion channel component 1 [Homo sapiens (human)]
Official Symbol	PIEZO1
Synonyms	PIEZO1; piezo-type mechanosensitive ion channel component 1; DHS; Mib; FAM38A; protein PIEZO1; family with sequence similarity 38, member A; membrane protein induced by beta-

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	amyloid treatment;
Entrez Gene ID	9780
mRNA Refseq	NM_001142864.2
Protein Refseq	NP_001136336.2
UniProt ID	Q92508
Chromosome Location	16q24.3
Function	cation channel activity; mechanically-gated ion channel activity;

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