

Recombinant Full Length Human CALML5 Protein, GST-tagged

Cat. No. CALML5-3066HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CALML5 full-length ORF (AAH39172, 1 a.a. - 146 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	146 amino acids
Description	This gene encodes a novel calcium binding protein expressed in the epidermis and related to the calmodulin family of calcium binding proteins. Functional studies with recombinant protein demonstrate it does bind calcium and undergoes a conformational change when it does so. Abundant expression is detected only in reconstructed epidermis and is restricted to differentiating keratinocytes. In addition, it can associate with transglutaminase 3, shown to be a key enzyme in the terminal differentiation of keratinocytes. [provided by RefSeq, Jul 2008]
Molecular Mass	41.80 kDa
AA Sequence	MAGELTPEEEAQYKKAFSAVDTDGNGTINAQELGAALKATGKNLSEAQLRKLISEVD GDGDGEISFQEFLTAARKARAGLEDLQVAFRAFDQDGDGHITVDELRRAMAGLGQP LPQEELDAMIREADVDDQDGRVNYEEFARMLAQE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CALML5 calmodulin-like 5 [Homo sapiens]
Official Symbol	CALML5
Synonyms	CALML5; calmodulin-like 5; calmodulin-like protein 5; calmodulin like skin protein; CLSP; calmodulin-like skin protein;
Gene ID	51806
mRNA Refseq	NM_017422
Protein Refseq	NP_059118
MIM	605183
UniProt ID	Q9NZT1

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