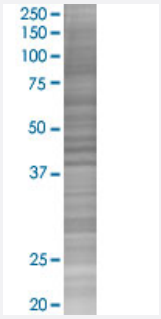
# CALML5 293T Cell Transient Overexpression Lysate(Denatured)

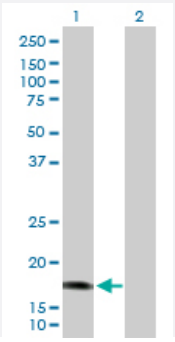
Catalog # H00051806-T02 Size 100 uL

## Applications




### SDS-PAGE Gel

CALML5 transfected lysate.




### Western Blot

Lane 1: CALML5 transfected lysate ( 15.90 KDa)
Lane 2: Non-transfected lysate.

## Specification

| | |
|---|---|
| **Transfected Cell Line** | 293T |
| **Plasmid** | pCMV-CALML5 full-length |
| **Host** | Human |
| **Theoretical MW (kDa)** | 15.9 |
| **Interspecies Antigen Sequence** | Mouse (51); Rat (51) |

| | |
|---|---|
| **Quality Control Testing** | Transient overexpression cell lysate was tested with Anti-CALML5 antibody (H00051806-D01P) by Western Blots.<br>SDS-PAGE Gel<br>CALML5 transfected lysate.<br>Western Blot<br>Lane 1: CALML5 transfected lysate ( 15.90 KDa)<br>Lane 2: Non-transfected lysate. |
| **Storage Buffer** | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot

## Gene Info — CALML5

| | |
|---|---|
| **Entrez GeneID** | 51806 |
| **GeneBank Accession#** | BC039172.1 |
| **Protein Accession#** | AAH39172.1 |
| **Gene Name** | CALML5 |
| **Gene Alias** | CLSP |
| **Gene Description** | calmodulin-like 5 |
| **Omim ID** | 605183 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | 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 |
| **Other Designations** | OTTHUMP00000019005\|calmodulin-like skin protein |

## Pathway

- Calcium signaling pathway
- Glioma
- GnRH signaling pathway
- Insulin signaling pathway
- Long-term potentiation
- Melanogenesis
- Neurotrophin signaling pathway
- Olfactory transduction
- Phosphatidylinositol signaling system
- Vascular smooth muscle contraction