

# Product datasheet for TP760086

# STOML2 (NM\_013442) Human Recombinant Protein

## **Product data:**

#### **Product Type: Recombinant Proteins Description:** Recombinant protein of human stomatin (EPB72)-like 2 (STOML2), full length, with N-terminal HIS tag, expressed in E.Coli, 50ug Species: Human **Expression Host:** E. coli **Expression cDNA Clone** A DNA sequence encoding human full-length STOML2 or AA Sequence: N-His Tag: Predicted MW: 38.5 **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: Stable for 12 months from the date of receipt of the product under proper storage and Stability: handling conditions. Avoid repeated freeze-thaw cycles. **RefSeq:** NP 038470 30968 Locus ID: <u>Q9U</u>JZ1 **UniProt ID: RefSeq Size:** 1431 Cytogenetics: 9p13.3 **RefSeq ORF:** 1068 Synonyms: HSPC108; SLP-2



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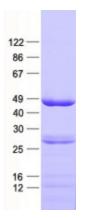
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Summary: Mitochondrial protein that probably regulates the biogenesis and the activity of mitochondria. Stimulates cardiolipin biosynthesis, binds cardiolipin-enriched membranes where it recruits and stabilizes some proteins including prohibitin and may therefore act in the organization of functional microdomains in mitochondrial membranes. Through regulation of the mitochondrial function may play a role into several biological processes including cell migration, cell proliferation, T-cell activation, calcium homeostasis and cellular response to stress. May play a role in calcium homeostasis through negative regulation of calcium efflux from mitochondria. Required for mitochondrial hyperfusion a pro-survival cellular response to stress which results in increased ATP production by mitochondria. May also regulate the organization of functional domains at the plasma membrane and play a role in T-cell activation through association with the T-cell receptor signaling complex and its regulation.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

### **Product images:**



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