

STOM Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20729a**Specification**

STOM Blocking Peptide (N-term) - Product InformationPrimary Accession [P27105](#)**STOM Blocking Peptide (N-term) - Additional Information****Gene ID** 2040**Other Names**

Erythrocyte band 7 integral membrane protein, Protein 72b, Stomatin, STOM, BND7, EPB72

Target/Specificity

The synthetic peptide sequence is selected from aa 2-16 of HUMAN STOM

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

STOM Blocking Peptide (N-term) - Protein Information**Name** STOM ([HGNC:3383](#))**Function**

Regulates ion channel activity and transmembrane ion transport. Regulates ASIC2 and ASIC3 channel activity.

Cellular Location

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cell membrane; Lipid-anchor; Cytoplasmic side. Membrane raft. Melanosome. Cytoplasmic vesicle {ECO:0000250|UniProtKB:P54116}. Note=Localizes to juxtanuclear structure probably derived from the Golgi apparatus (PubMed:9243190) Colocalizes with cortical actin microfilaments at small plasma membrane protrusions (PubMed:9243190). Associates with alpha-granular lipid rafts (PubMed:12130500). Translocates from the alpha-granular lipid rafts to the cell membrane on thrombin activation and selectively enriched in released microvesicles (PubMed:12130500). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:12643545).

Tissue Location

Detected in erythrocytes (at protein level). Widely expressed.

STOM Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

STOM Blocking Peptide (N-term) - Images

STOM Blocking Peptide (N-term) - Background

Thought to regulate cation conductance. May regulate ASIC2 and ASIC3 gating (By similarity).

STOM Blocking Peptide (N-term) - References

Hiebl-Dirschmied C.M.,et al.Biochim. Biophys. Acta 1090:123-124(1991).
Stewart G.W.,et al.Blood 79:1593-1601(1992).
Unfried I.,et al.Genomics 30:521-528(1995).
Gallagher P.G.,et al.J. Biol. Chem. 270:26358-26363(1995).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.