

**STOM, 55-288aa, Human, His tag, E.coli**

**Cat.NO.: TP04069**

3th Edition

**Synonyms:**Erythrocyte band 7 integral membrane protein isoform a, BND7, EPB7, EPB72

**Description:**Erythrocyte band 7 integral membrane protein isoform a, also known as STOM, is a member of a highly conserved family of integral membrane proteins. STOM may regulate ACCN1 and ACCN3 gating. It is a membrane protein involved in regulation of monovalent cation transport through lipid membranes. A second function of STOM may be to act as a cytoskeletal anchor. It is a major lipid-raft component of erythrocytes and epithelial cells, and is also an abundant platelet protein. Recombinant human STOM protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**28kDa (257aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSKIIKEYERAIIFRLGRILQGGAKGPGLFFILPCTDSFIKVD MRTISFDIPPQEILTK  
DSVTISVDGVVYYRVQNLAVANITNADSATRLLAQTTLRNVLGTKNLSQILSDREEIAHNMQSTLDDATDAWGIKV  
ERVEIKDVKLPVQLQRAMAAEAEASREARAKVIAAEGEMNASRALKEASMVITESPAALQLRYLQTLTTIAAEKNSTI  
VFPLPIDMLQGIIGAKHSHLG

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.