

Recombinant Human stomatin, His-tagged

Cat. No. STOM-218H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STOM, 55-288aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	55-288 a.a.
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 Mass	28kDa (257aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSKIIEYE RAIIFRLGRI LQGGAKGPGL FFILPCTDSF IKVDMRTISF DIPPQEILTK DSVTISVDGV VYYRVQNATL AVANITNADS ATRLQAQTTL RNVLGTKNLS QILSDREEIA HNMQSTLDDA TDAWGKVER VEIKDVKLPV QLQRAMAAEA EASREARAKV IAAEGEMNAS

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RALKEASMVI TESPAALQLR YLQTLTTIAA EKNSTIVFPL PIDMLQGIIG AKHSHLG

Purity >90% by SDS - PAGE

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

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name STOM stomatin [Homo sapiens]

Official Symbol STOM

Synonyms STOM; stomatin; EPB7, EPB72, erythrocyte membrane protein band 7.2 (stomatin); erythrocyte band 7 integral membrane protein; BND7; protein 7.2b; erythrocyte membrane protein band 7.2 (stomatin); EPB7; EPB72;

Gene ID 2040

mRNA Refseq NM_004099

Protein Refseq NP_004090

MIM 133090

UniProt ID P27105

Chromosome Location 9q34.1

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