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Recombinant human STOM protein

Catalog Number: ATGP2172

PRODUCT INFORMATION

Expression system

E.coli

Domain

55-288aa

UniProt No.

P27105

NCBI Accession No.

NP 004090

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

28 kDa (257aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.



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Amino acid Sequence

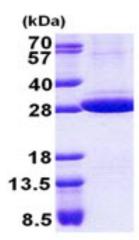
MGSSHHHHHH SSGLVPRGSH MGSKIIKEYE RAIIFRLGRI LQGGAKGPGL FFILPCTDSF IKVDMRTISF DIPPQEILTK DSVTISVDGV VYYRVQNATL AVANITNADS ATRLLAQTTL RNVLGTKNLS QILSDREEIA HNMQSTLDDA TDAWGIKVER VEIKDVKLPV QLQRAMAAEA EASREARAKV IAAEGEMNAS RALKEASMVI TESPAALQLR YLQTLTTIAA EKNSTIVFPL PIDMLQGIIG AKHSHLG

General References

Mairhofer M., et al. (2002) Blood. 100:897-904.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.