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## Product Data Sheet

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Product Name: STOM Human  
 Cat. No.: GP24726  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BND7; EPB7; EPB72; Erythrocyte band 7 integral membrane protein; Protein 7.2b; Stomatin; STOM.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSKIIKEYE RAIIFRLGRI LQGGAKGPGL FFILPCTDSF IKVDMRTISF DIPPQEILTK DSVTISVDGV VYYRVQNATL AVANITNADS ATRLLAQTTL RNVLGTKNLS QILSDREEIA HNMQSTLDDA TDAWGIKVER VEIKDVKLPV QLQRAMAAEA EASREARAKV IAAEGEMNAS RALKEASMVI TSPAALQLR YLQTLTTIAA EKNSTIVFPL PIDMLQGIIG AKHSHLG.		
Formulation	The STOM solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Stomatin (STOM) is a part of a highly conserved family of integral membrane proteins. STOM is a membrane protein involved in regulation of monovalent cation transport through lipid membranes which regulates ACCN1 and ACCN3 gating. STOM is a major lipid-raft component of erythrocytes and epithelial cells, and an abundant platelet protein which acts as a cytoskeletal anchor.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

STOM Human Recombinant produced in E. coli is a single polypeptide chain containing 257 amino acids (55-288) and having a molecular mass of 28 kDa. STOM is fused to a 23

**Caution: Product has not been fully validated for medical applications. For research use only.**

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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