
Product Data Sheet

Product Name: B9D2 Human
 Cat. No.: GP22827
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	B9 Protein Domain 2; B9D2; B9 domain-containing protein 2; MKS1-related protein 2; MKSR2; ICIS-1; MKS10.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEVHVI GQIIGASGFS ESSLFCKWGI HTGAAWKLLS GVREGQTQVD TPQIGDMAYW SHPIDLHFAT KGLQGWPR LH FQVWSQDSFG RCQLAGYGFC HVPSSPGTHQ LACPTWRPLG SWREQLARAF VGGGPQLLHG DTIYSGADRY RLHTAAGGTV HLEIGLLLRN FDRYGVEC.		
Formulation	The B9D2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol, 2mM DTT and 1mM EDTA.		

Introduction

B9 Protein Domain 2 (B9D2) is a component of the tectonic-like complex which acts as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. B9D2 contains a B9 domain protein, which is found solely in ciliated organisms. B9D2 is upregulated throughout mucociliary differentiation.

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

B9D2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 198 amino acids (1-175) and having a molecular mass of 21.6 kDa. B9D2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA