

Recombinant human B9D2 protein

Catalog Number: ATGP2768

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-175aa

UniProt No.

Q9BPU9

NCBI Accession No.

NP_085055

Alternative Names

B9 domain-containing protein 2, ICIS-1, MKS10, MKSR2

PRODUCT SPECIFICATION

Molecular Weight

21.6 kDa (198aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 1mM EDTA

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

B9D2 contains a B9 domain protein, which are exclusively found in ciliated organisms. This protein is upregulated during mucociliary differentiation, and the encoded protein localizes to basal bodies and cilia. Disrupting expression of this gene results in ciliogenesis defects. Recombinant human B9D2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMAEVHVI GQIIGASGFS ESSLFCKWGI HTGAAWKLLS GVREGQTQVD

Recombinant human B9D2 protein

Catalog Number: ATGP2768

TPQIGDMAYW SHPIDLHFAT KGLQGWPRLH FQVWSQDSFG RCQLAGYGFC HVPSSPGTHQ LACPTWRPLG
SWREQLARAF VGGGPQLLHG DTIYSGADRY RLHTAAGGTV HLEIGLLLRN FDRYGVEC

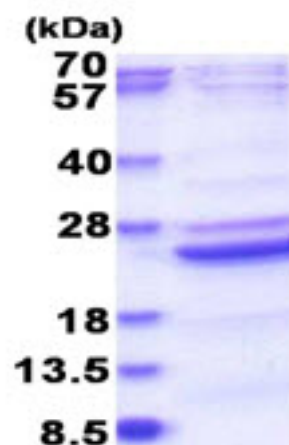
General References

Dowdle W.E., et al. (2011) Am. J. Hum. Genet. 89:94-110

Bialas N.J., et al. (2009) J. Cell Sci. 122:611-624

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)