

Recombinant human B9D1 protein

Catalog Number: ATGP2803

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-204aa

UniProt No.

Q9UPM9

NCBI Accession No.

NP_056496

Alternative Names

B9 domain-containing protein 1 isoform b, B9, EPPB9, MKS9, MKSR1

PRODUCT SPECIFICATION

Molecular Weight

25.2 kDa (227aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% 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

BpD1 is a B9 domain-containing protein, one of several that are involved in ciliogenesis. Alterations in expression of this gene have been found in a family with Meckel syndrome. Meckel syndrome has been associated with at least six different genes. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Three alternatively spliced transcript variants that encode different proteins have been described for this gene. Recombinant human B9D1 protein, used to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMATASPS VFLLMVNGQV ESAQFPEYDD LYCKYCFVYG QDWAPTAGLE EGISQITSKS
QDVRQALVWN FPIDVTFKST NPYGWPQIVL SVYGPDVFGN DVVRGYGAVH VPFSPGRHKR TIPMFVPEST SKLQKFTSWF
MGRRPEYTDK KVVAQGE GRE VTRVRSQGFV TLLFNVVTKD MRKLG YDTGP SDTQGV LGPS PPQSFPQ

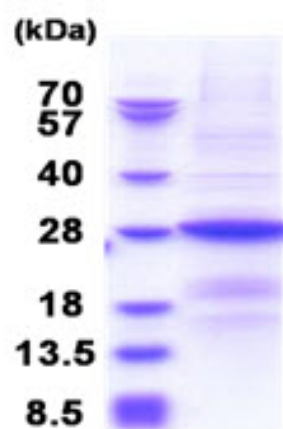
General References

Hopp K., et al (2011). Hum. Mol. Genet. 20:2524-2534

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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