

Recombinant human PEX19 protein

Catalog Number: ATGP1201

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-296aa

UniProt No.

P40855

NCBI Accession No.

NP_002848

Alternative Names

Peroxisomal biogenesis factor 19, D1S2223E, HK33, PMP1, PMPI, PXF, PXMP1

PRODUCT SPECIFICATION

Molecular Weight

34.6 kDa (316aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% 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

PEX19, also known as Peroxin 19, localizes to the outer surface of peroxisomes in liver cells. It is essential for peroxisome biogenesis in *Saccharomyces cerevisiae*. It is apparently involved in the initial stage of peroxisome membrane assembly, before the import of matrix protein. Recombinant human PEX19 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MAAAEEGCSV GAEADRELEE LLESALDDFD KAKSPAPPS TTTAPDASGP QKRSPGDTAK

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DALFASQEFK FQELFDSELA SQATAEFEKA MKELAESEEPH LVEQFQKLSE AAGRVGSDMT SQQEFTSCLK ETL SGLAKNA
TDLQNSSMSE EELTKAMEGL GMDEGDGEGN ILPIMQSIMQ NLLSKDVLYP SLKEITEKYP EWLQSHRESL PPEQFEKYQE
QHSVMCKICE QFEAETPTDS ETTQKARFEM VLDLMQQLQD LGHPPKELAG EMPPGLNFDL DALNLSGPPG ASGEQC

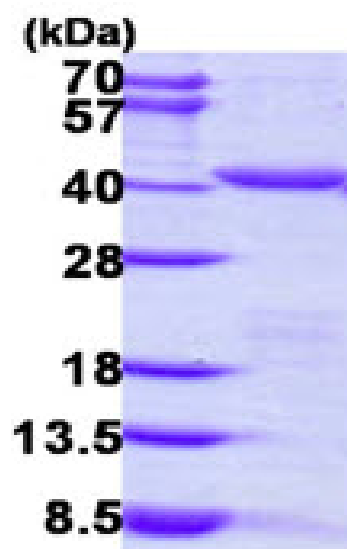
General References

James G.L. et al. (1994) J Biol Chem. 269: 14182-14190

Gotte K. et al. (1998) Mol. Cell Biol. 18: 616-628.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)