Recombinant human PECR protein

Catalog Number: ATGP1239

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-303aa

UniProt No.
Q9BY49

NCBI Accession No.
NP_060911

Alternative Names
Peroxisomal trans-2-enoyl-CoA reductase, DCRRP, HPDHASE, HSA250303, PVIARL, SDR29C1, TERP

PRODUCT SPECIFICATION

Molecular Weight
35.1 kDa (327aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.15M NaCl.

Purity
> 95% 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
Peroxisomal trans-2-enoyl-CoA reductase, also known as PECR, the key enzyme for a proposed peroxisomal chain elongation pathway. This proein was mainly expressed in liver and kidney. Recombinant human PECR protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence
MGSSHHHHHH SSGLVPRGSH MGSHMASWAK GRSYLAPGLL QGQVAIVTGG ATGIGKAIVK ELLELGSNVV IASRKLERLK

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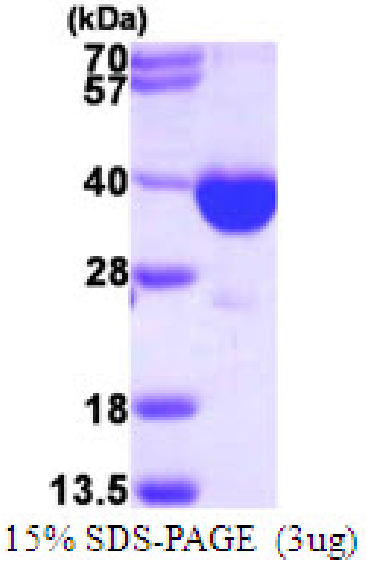
SAADELQANL PPTKQARVIP IQCNIRNEEE VNNLVKSTLD TFGKINFLVN NGGGQFLSPA EHISSKGWHA VLETNLTGTF YMCKAVYSSW MKEHGGSIVN IIVPTKAGFP LAVHSGAARA GVYNLTKSLA LEWACSGIRI NCVAPGVIYS QTAVENYGSW GQSFFEGSFQ KIPAKRIGVP EEVSSVVCFL LSPAASFITG QSVDVDGGRS LYTHSYEVPD HDNWPKGAGD LSVVKKMKET FKEKAKL

General References

Das AK., et al. (2000) J Biol Chem. 275(32):24333-40.
Amery L., et al. (2001) Comb Chem High Throughput Screen. 4(7):545-52.

DATA

SDS-PAGE



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