Recombinant human CD37 protein

Catalog Number: ATGP2884

PRODUCT INFORMATION

Expression system
E.coli

Domain
112-241aa

UniProt No.
P11049

NCBI Accession No.
NP_001765

Alternative Names
Leukocyte antigen CD37, Leukocyte antigen CD37, GP52-40, TSPAN26

PRODUCT SPECIFICATION

Molecular Weight
17.4 kDa (154aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% 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
CD37 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms. Recombinant human CD37 protein, fused to His-tag at N-

terminus, was expressed in E. coli.

Amino acid Sequence

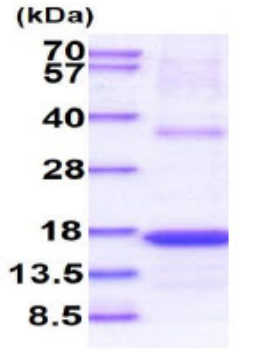
<MGSSHHHHHH SSGLVPRGSH MGSQ>RAQLER SLRDVVEKTI QKYGTNPEET AAEESWDYVQ FQLRCCGWHY PQDWFQVLIL RGNGSEAHRV PCSCYNLSAT NDSTILDKVI LPQLSRLGHL ARSRHSADIC AVPAESHIYR EGCAQGLQKW LHNN

General References

Draber P., et al (2011). Mol. Cell. Biol. 31:4550-4562
Classon B.J., et al (1989). J. Exp. Med. 169:1497-1502

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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