

Recombinant human RARRES1 protein

Catalog Number: ATGP2157

PRODUCT INFORMATION

Expression system

E.coli

Domain

43-294aa

UniProt No.

P49788

NCBI Accession No.

NP_996846

Alternative Names

Retinoic acid receptor responder protein 1 isoform 1, TIG1

PRODUCT SPECIFICATION

Molecular Weight

31.3 kDa (275aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Retinoic acid receptor responder protein 1 isoform 1, also known as RARRES1, belongs to the TIGs (Tazarotene-induced gene) family. TIGs act as tumor suppressor genes in human cancers and are highly expressed in skin, hair follicles and endothelial cells as well as in pancreas, spleen and intestine. TIGs are activated by tazarotene and have been implicated as growth regulators that mediate the growth suppressive effects of retinoids. Recombinant human RARRES1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

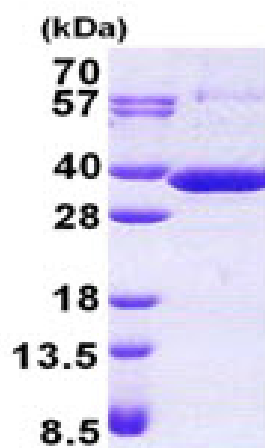
MGSSHHHHHH SSGLVPRGSH MGSPDDPGQP QDAGVPRLL QQAARAALHF FNFRSGSPSA LRVLAEVQEG
RAWINPKEGC KVHVVFSTER YNPESLLQEG EGRLGKCSAR VFFKNQKPRP TINVTCTRLI EKKKRQEDY LLYKQMKQLK
NPLEIVSIPD NHGHIDPSLR LIWDLAFLGS SYVMWEMTTQ VSHYLAQLT SVRQWKTNDD TIDFDYTVLL HELSTQEIIP
CRIHLVWYPG KPLKVKYHCQ ELQTPEEASG TEEGSAVVPT ELSNF

General References

Kwong J., et al. (2005) J Cancer. 113:386-392.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)