abcam

Product datasheet

Recombinant human Cripto1/CRIPTO protein ab84064

1 Image

Description

Product name	Recombinant human Cripto1/CRIPTO protein
Biological activity	ab84064 has been shown to stimulate MAPK phosphorylation in HUVEC cells. 200ng/ml is sufficient to stimulate phosphorylation.
Purity	> 95 % SDS-PAGE.
Expression system	HEK 293 cells
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	Theoretical sequence: LGHQEFARPSRGYLAFRDDSIWPQEEPAIRPRSSQRVPP MGIQHSKELN RTCCLNGGTCMLGSFCACPPSFYGRNCEHDVRKENCGS VPHDTWLPKKC SLCKCWHGQLRCFPQAFLPGCDGLVMDEHLVASRTPE LPPS
Amino acids	31 to 169

Specifications

Our **Abpromise guarantee** covers the use of **ab84064** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized
Additional notes	ab84064 has been shown to stimulate MAPK phosphorylation in HUVEC cells. 200ng/ml is sufficient to stimulate phosphorylation. This product was previously labelled as Cripto1

This product was previously labelled as Cripto1

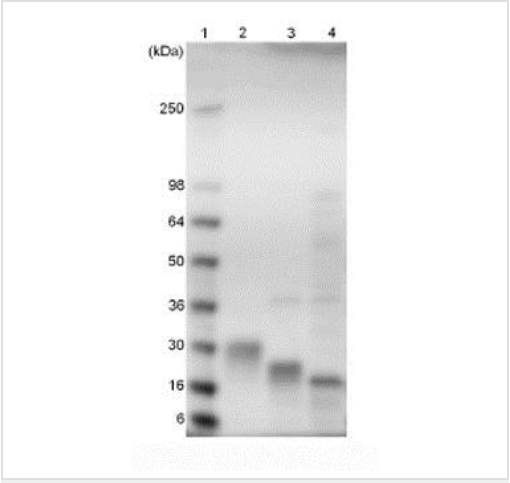
Preparation and Storage

Stability and Storage	Shipped at 4°C. After reconstitution store at -20ºC. Avoid freeze / thaw cycles. Constituents: 1% Human serum albumin, 10% Trehalose This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, with longer-term sto rage in aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

General Info

Function	Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.
Tissue specificity	Preferentially expressed in gastric and colorectal carcinomas than in their normal counterparts.
Sequence similarities	Contains 1 EGF-like domain.
Cellular localization	Cell membrane.

Images



SDS-PAGE - Recombinant human Cripto1/CRIPTO protein (ab84064)

Lane 1- MW markers; Lane 2- ab84064 ; Lane 3- ab84064 treated with PNGase F to remove potential N-linked glycans; Lane 4- ab84064 treated with a glycosidase cocktail to remove potential N- and O-linked glycans. Approximately 5 µg of protein was loaded per lane; Gel was stained using Coomassie.
A drop in MW after treatment with PNGase F indicates presence of N-linked glycans. A further drop in MW after treatment with the glycosidase cocktail indicates the presence of O-linked glycans. Additional bands in lane 3 and lane 4 are glycosidase enzymes.

O-fucosylation at Thr-88 has been confirmed.

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