

# Recombinant human Cripto1/CRIPTO protein (Fc Chimera) ab84062

3 Images

Description

Product name	Recombinant human Cripto1/CRIPTO protein (Fc Chimera)		
Purity	> 95 % SDS-PAGE.		
Expression system	HEK 293 cells		
Accession	<u>P13385</u>		
Protein length	Protein fragment		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	<div>Theoretical sequence: LGHQEFARPSRGYLAFRDDSWPQEEPAIRPRSSQRVPP MGIQHSKEL NRTCCLNGGTCMLGSFCACPPSFYGRNCEHDVRKENCG S VPHDTWLPK KCSLCKCWHGQLRCFPQAFLPGCDGLVMDEHLVASRTP E LPPSGSSNT KVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPK DTLMISRTP EVTCTVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQ YNSTYRVVSV LTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPR EPQVYTLPP SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYK TTPPVLDSD GSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKS LSLSPGK</div>		
Amino acids	31 to 169		
Additional sequence information	Encodes the signal peptide and extracellular domain of human Cripto-1 (aa 1-169) was fused to the Fc region of human IgG1 (aa 90-330). The chimeric protein was expressed in modified human 293 cells.		

Specifications

## Specifications

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Our **Abpromise guarantee** covers the use of **ab84062** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	200 ng/ml of this Chimera induces ERK1 and ERK2 phosphorylation in human umbilical vein endothelial (HUVEC) cells. This product was previously labelled as Cripto1  This product was previously labelled as Cripto1

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. After reconstitution store at -20°C. 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.
<b>Reconstitution</b>	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 storage in aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

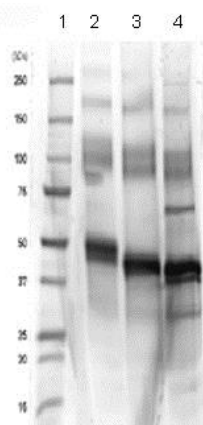
## General Info

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

## Images

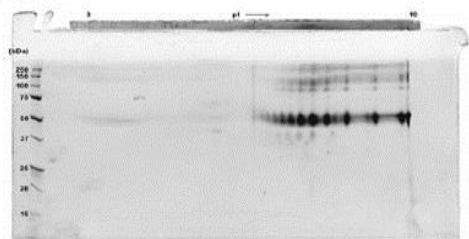
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SDS-PAGE - Recombinant human Cripto1/CRIPTO protein (Fc Chimera) (ab84062)

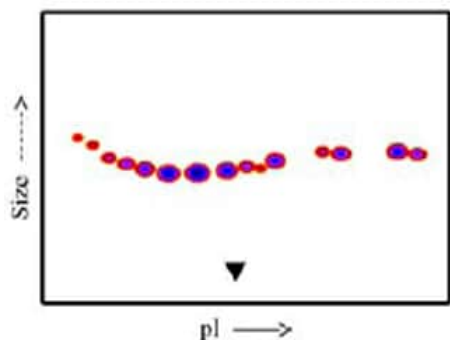
Lane 1 – MW markers; Lane 2 – ab84062; Lane 3 – ab84062 treated with PNGase F to remove potential N linked glycans; Lane 4 – ab84062 treated with a glycosidase cocktail to remove potential N- and O-linked glycans. Approximately 5 µg of protein was loaded per lane; Gel was stained using Coomassie.

Drop in MW after treatment with PNGase F indicates the 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.



SDS-PAGE - Recombinant human Cripto1/CRIPTO protein (Fc Chimera) (ab84062)

A sample of ab84062 without carrier protein was reduced and alkylated and focused on a 3-10 IPG strip then run on a 4 20% Tris-HCl 2D gel. Approximately 40 µg of protein was loaded; Gel was stained using Deep Purple™. The spot train indicates the presence of multiple glycoforms. Spots within the spot train were cut from the gel and identified as Cripto1/CRIPTO (Fc Chimera) by protein mass fingerprinting.



Functional Studies - Recombinant human Cripto1/CRIPTO protein (Fc Chimera) (ab84062)

Post-translational modifications result in protein heterogeneity. The densitometry scan demonstrates the purified human cell expressed protein exists in multiple glycoforms, which differ according to their level of post-translational modification.

The triangle indicates theoretical pI and MW of the protein.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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