

# Recombinant Human Cryptic/CFC1 Protein (His Tag)

Catalog Number:PKSH032287



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

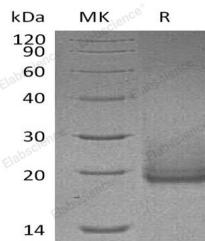
## Description

<b>Synonyms</b>	Cryptic protein;Cryptic family protein 1;CFC1
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Tyr26-Gly169
<b>Accession</b>	P0CG37
<b>Calculated Molecular Weight</b>	16.9 kDa
<b>Observed molecular weight</b>	17-30 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Cryptic (CFC1) is a member of the epidermal growth factor (EGF)- Cripto, Frl-1, and Cryptic (CFC) family. It contains an EGF-like domain, and is glycosylated on its N-terminal during post-translational modification. Cryptic is identified as a NODAL coreceptor involved in the correct establishment of the left-right axis. It may play a role in mesoderm and/or neural patterning during gastrulation. The unnormal expression of this gene may causes a series of diseases such as HTX2, Transposition of the great arteries dextro-looped 2, and Conotruncal heart malformations.

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