

Recombinant Human Cripto-1/TDGF1 Protein

RPCB0341

Protein Information

Size:	10 µg , 20 µg , 50 µg	Tag:	C-His
Reactivity:	Human	Expressed Host:	HEK293 cells
Calculated MW:	16.78 kDa	Observed MW:	20-30 kDa

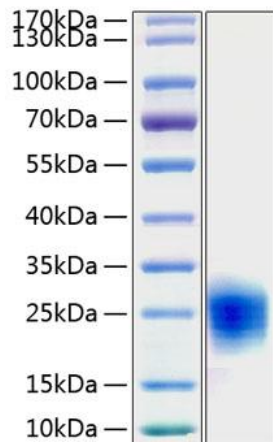
Background

Cripto/TDGF1 is a member of the epidermal growth factor (EGF)- Cripto, Frl-1, and Cryptic (CFC) family. TDGF1 is an extracellular, membrane-bound signaling protein that plays an essential role in embryonic development and tumor growth. It is overexpressed in many types of cancers and acts as a growth factor for tumors. Cripto mutants display defects in mesoderm induction and heart morphogenesis, similar to phenotypes seen in Nodal mutants. Cripto can also activate mitogen-activated protein kinase (MAPK) and Akt pathways independently of Nodal by directly binding to a membrane-associated heparan sulfate proteoglycan, glypican-1.

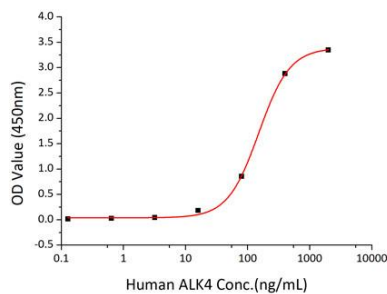
Properties

Synonyms:	TDGF1, CR, CRGF, CRIPTO
Gene ID:	6997
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human Cripto-1/TDGF1 Protein (RPCB0341), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Validation Data



Recombinant Human Cripto-1/TDGF1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human Cripto at 2 $\mu\text{g/mL}$ (100 μL /well) can bind Recombinant Human ALK4 with a linear range of 0.15-151 ng/mL.