



Recombinant Protein Technical Manual
Recombinant Human Cryptic/CFC1 Protein (His Tag)
RPES1170

Product Data:

Product SKU: RPES1170

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P0CG37

Protein Information:

Molecular Mass: 16.9 kDa

AP Molecular Mass: 20 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cryptic protein;Cryptic family protein 1;CFC1

Immunogen Information:

Sequence: Tyr26-Gly169

Background:

Cryptic (CFC1) is a member of the epidermal growth factor (EGF)- Cripto, Frl, 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.