Active Recombinant Human CFC1

Cat. No. CFC1-785H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFC1 (Accession # NP_115934), fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Predicted N Terminal	Tyr26
Form	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by its ability to cause heart reversals when injected into the right lateral plate of a population of Xenopus neurulae embryos. 80 ng per embryo typically induces 25 - 50% heart reversals.Measured by its ability to inhibit the cell growth of DU145 human prostate carcinoma cells. Miyazaki, H. et al. (2004) Oncogene 23:9326.The ED50 for this effect is typically 1.5 - 7.5 μg/mL.
Molecular Mass	Recombinant Human CFC1 has a calculated MW of 17.4 kDa. In SDS-PAGE migrates as 24 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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GENE INFORMATION

Gene Name	CFC1 cripto, FRL-1, cryptic family 1 [Homo sapiens]
Official Symbol	CFC1
Synonyms	CFC1; cripto, FRL-1, cryptic family 1; cryptic protein; CRYPTIC; HTX2; cryptic family protein 1; CFC1B; DTGA2; FLJ77897; MGC133213;
Gene ID	55997
mRNA Refseq	NM_032545
Protein Refseq	NP_115934
MIM	605194
UniProt ID	P0CG37
Chromosome Location	2q21.2

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