Datasheet for ABIN7318301

CER1 Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	CER1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CER1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cerberus/CER1 Protein (His Tag)
Sequence:	Thr18-Ala267
Characteristics:	Recombinant Human Cerberus 1 is produced by our Mammalian expression system and the target gene encoding Thr18-Ala267 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CER1
Alternative Name:	Cerberus/CER1 (CER1 Products)
Background:	Background: Cerberus 1 is a secreted glycoprotein that forms disulfide-linked homodimers. It is a cytokine member of the DAN domain family of BMP antagonists that includes DAN (DAND1), Gremlin/Drm (DAND2), PRDC (Protein Related to Dan and Cerberus, DAND3), and COCO/Dante

Target Details

	(DAND5). DAN family members contain a cysteine knot domain that is homologous to that found in other TGF-beta superfamily ligands. At the onset of gastrulation, Cerberus 1 is transiently expressed in anterior endodermal structures in response to Nodal and Shh. Cerberus 1 binds BMP-4 and Nodal and inhibits their activities. The inhibitory functions of Cerberus favor mesodermal development in the anterior region of the gastrula and suppresses posterior mesodermal differentiation. In chick and Xenopus, Cerberus 1 also regulates, but is not required for embryonic left-right polarization, neurulation, and head and heart induction. Synonym: Cerberus, Cerberus-Related Protein, DAN Domain Family Member 4, CER1, DAND4
Molecular Weight:	29.2 kDa
UniProt:	O95813
Pathways:	Maintenance of Protein Location

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM HAc.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.