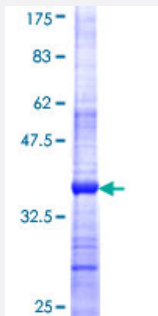


DAND5 (Human) Recombinant Protein (Q01)

Catalog # H00199699-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DAND5 partial ORF (NP_689867, 90 a.a. - 188 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PLNPQEVIQGMCKAVPFVQVFSRPGCSAIRLRNHLFCGHCSLYIPGSDPTPLVLCNSCMPARKRWAPVVLWCLTGSSASRRRVKISTMLIEGCHCSPK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DAND5

Entrez GeneID	199699
GeneBank Accession#	NM_152654
Protein Accession#	NP_689867
Gene Name	DAND5
Gene Alias	CER2, CERL2, CKTSF1B3, COCO, CRL2, DANTE, GREM3, MGC126849, SP1
Gene Description	DAN domain family, member 5
Omim ID	609068
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the BMP (bone morphogenic protein) antagonist family. Like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, to which this gene belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted protein encoded by this gene is likely due to its direct binding to BMP proteins. As an antagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tissue differentiation. In mouse, this protein has been shown to bind Nodal and to inhibit the Nodal signaling pathway which patterns left/right body asymmetry. [provided by RefSeq]
Other Designations	cerberus 2 cerberus-like 2 cysteine knot superfamily 1, BMP antagonist 3 dante