

Recombinant Human DAND5 Protein, GST-tagged

Cat. No. DAND5-2329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DAND5 partial ORF (NP_689867, 90 a.a. - 188 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Jul 2008]
Molecular Mass	36.63 kDa
AA Sequence	PLNPQEVIQGMCKAVPFVQVFSRPGCSAIRLRNHLFCFGHCSSLYIPGSDPTPLVLCN SCMPARKRWAPVVLWCLTGSSASRRRVKISTMLIEGCHCSPK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	DAND5 DAN domain BMP antagonist family member 5 [Homo sapiens (human)]
Official Symbol	DAND5
Synonyms	DAND5; DAN domain BMP antagonist family member 5; DAN Domain BMP Antagonist Family Member 5; Cysteine Knot Superfamily 1, BMP Antagonist 3; DAN Domain Family Member 5, BMP Antagonist; Cerberus-Like Protein 2; Gremlin-3; CKTSF1B3; Cerl-2; GREM3; CER2; SP1; DAN Domain Family, Member 5; DAN Domain Family Member 5; Cerberus-Like 2; Cerberus 2; CERL2; DANTE; CRL2; COCO; DAN domain family member 5; DAN domain family member 5, BMP antagonist; DAN domain family, member 5; cerberus 2; cerberus-like 2; cerberus-like protein 2; cerl-2; cysteine knot superfamily 1, BMP antagonist 3; gremlin-3
Gene ID	199699
mRNA Refseq	NM_152654
Protein Refseq	NP_689867
MIM	609068

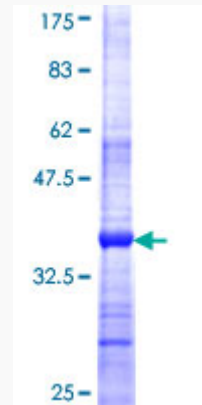
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UniProt ID

Q8N907

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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