



Recombinant Human DAN domain family member 5 (DAND5)

Product Code	CSB-EP850835HU-B
Abbreviation	DAND5
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8N907
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	RPEPQSPR PQSWAAANQT WALGPGALPP LVPASALGSW KAFLGLQKAR QLGMGRLQRG QDEVAAVTLP LNPQEVIQGM CKAVPFVQVF SRPGCSAIRL RNHLCFGHCS SLYIPGSDPT PLVLCNSCMP ARKRWAPVVL WCLTGSSASR RRVKISTMLI EGCHCSPKA
Source	E.coli
Target Names	DAND5
Protein Names	Recommended name: DAN domain family member 5 Alternative name(s): Cerberus-like protein 2 Short name= Cerl-2 Cysteine knot superfamily 1, BMP antagonist 3 Gremlin-3
Expression Region	23-189
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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