
Product Data Sheet

Product Name: GREM2 Human
 Cat. No.: GP23599
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CKTSF1B2; DAND3; PRDC; Gremlin-2; Cysteine knot superfamily 1; BMP antagonist 2; DAN domain family member 3; Protein related to DAN and cerberus; GREM2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSRKRPAG AIPSPYKDGS SNNSEWQHQ IKEVLASSQE ALVVTERTKYL KSDWCKTQPL RQTVSEEGCR SRTILNRFY GQCNSFYIPR HVKKEEESFQ SCAFCKPQRV TSVLVELECP GLDPPFRLKK IQKVKQCRCM SVNLSDSKQ.		
Formulation	The GREM2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

GREM2 which is a member of the BMP (bone morphogenic protein) antagonist family takes part in regulating organogenesis, body patterning, and tissue differentiation. GREM2 is an antagonist of BMP and like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, is characterized by a C-terminal cystine knot with an 8-membered ring.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GREM2 Human Recombinant produced in E. coli is a single polypeptide chain containing 170 amino acids (22-168) and having a molecular mass of 19kDa. GREM2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

techniques.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA