

Datasheet for ABIN5608258

GREM1 Protein (partial) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GREM1
Protein Characteristics:	partial
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GREM1 protein is labelled with His tag.
Application:	Western Blotting (WB), ELISA

Product Details

Sequence:	Lys 25 - Asp 184
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per µg by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human BMP-2, Tag Free at 2 µg/mL (100 µL/well) can bind Human Gremlin, His Tag with a linear range of 0.8-81.9 ng/mL (QC tested).

Target Details

Target:	GREM1
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Target Details

Alternative Name:	Gremlin (GREM1 Products)
Background:	Gremlin is also known as Cysteine knot superfamily 1, BMP antagonist 1 (CKTSF1B1), DAN domain family member 2 (DAND2), Down-regulated in Mos-transformed cells protein (DRM), Increased in high glucose protein 2 (IHG-2), Cell proliferation-inducing gene 2 protein (PIG2) or Gremlin-1 (GREM1), which is highly expressed in small intestine, fetal brain and colon. Gremlin / GREM-1 interacts with SLIT1 and SLIT2 in a glycosylation-dependent manner. Gremlin may play an important role during carcinogenesis and metanephric kidney organogenesis, as a BMP antagonist required for early limb outgrowth and patterning in maintaining the FGF4-SHH feedback loop. Gremlin down-regulates the BMP4 signaling in a dose-dependent manner and acts as inhibitor of monocyte chemotaxis.
Molecular Weight:	20.2 kDa
Gene ID:	26585
NCBI Accession:	NP_037504
UniProt:	O60565
Pathways:	Regulation of Muscle Cell Differentiation , Tube Formation , Maintenance of Protein Location

Application Details

Application Notes:	This recombinant protein can be used for E, WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4 with 1 mM EDTA
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C, -80 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.