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## Product Data Sheet

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Product Name: C10ORF54 Human  
 Cat. No.: GP22915  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C10orf54; Chromosome 10 Open Reading Frame 54; V-Domain Ig Suppressor Of T Cell Activation; Stress-Induced Secreted Protein-1; Sisp-1; SISP1; Stress Induced Secreted Protein 1; Death Domain1alpha; DD1alpha; PP2135; B7-H5; VISTA; B7H5; GI24.		
Amino Acid Sequence	FKVATPYSLYVCPEGQNVTL TCRLLGPVDK GHDVTFYKWT YRSSRGEVQT CSERRPIRNL TFQDLHLHHG GHQAANTSHDLAQRHGLESA SDHHGNFSIT MRNLTLLDSG LYCCLVVEIR HHHSEHRVHG AMELQVQTGK DAPSNCVVYPSSSQDSENIT AAVEHHHHHH.		
Formulation	C10ORF54 protein solution (0.5mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

### Introduction

Chromosome 10 Open Reading Frame 54, also known as C10ORF54 is part of the immunoglobulin superfamily. Like a transmembrane molecule, C10ORF54 is expressed in the bone on embryonic stem cells (ESCs), and on tumor cell surface as well. Accordingly, C10ORF54 supports the differentiation of ESC and enhances BMP4 induced signaling in ESC, however C10ORF54 is also downregulated following to BMP4 exposure.

### 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

C10ORF54 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 170 amino acids (33-194a.a) and having a

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

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molecular mass of 19.1kDa. (Migrates at 28-40kDa on SDS-PAGE under reducing conditions). C10ORF54 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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