
Product Data Sheet

Product Name: C10ORF54 Mouse
 Cat. No.: GP22916
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Plateletreceptor Gi24.		
Amino Acid Sequence	FKVTTTPYSLY VCPEGQNATLTCRILGPVSK GHDVTIYKTW YLSSRGEVQM CKEHRPIRNF TLQHLQHHGS HLLKANASHDQ POKHGLELASDHHGNFSITL RNVTPRDSGL YCCLVIELKN HHPEQRFYGS MELQVQAGKG SGSTCMASNE QSDSITAALHHHHHHH.		
Formulation	C10ORF54 protein solution (1mg/ml) contains Phosphate Buffered 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 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 167 amino acids (33-191 a.a.) and having a molecular mass of 18.8 kDa (Molecular size on SDS-PAGE will appear at approximately 28-40 kDa). C10ORF54 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic 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

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