
Product Data Sheet

Product Name: ACVRL1 Human
 Cat. No.: GP20010
 Batch No.: 1

Product Data

| | | | |
|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Sf9, Insect cells. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Activin A Receptor Type II-Like 1; ACVRLK1; ALK1; TGF-BSuperfamily Receptor Type I EC 2.7.11.30; TSR-I; ALK-1; HHT2; SKR3Serine/Threonine-Protein Kinase Receptor R3 Activin A Receptor; Typell-Like Kinase 1; Activin Receptor-Like Kinase 1; EC 2.7.11; ORW2; HHT. | | |
| Amino Acid Sequence | DPVKPSRGPL VTCTCESPHC KGPTCRGAWC TVVLVREEGR HPQEHRGCGN LHRELCRGRP TEFVNHYCCD SHLCNHNVSL VLEATQPPSE | | |
| Formulation | ACVRL1 protein solution (0.25mg/ml) contains phosphatebuffered saline (pH7.4) and 10% glycerol. | | |

Introduction

Activin A Receptor Type II-Like 1, also known as ACVRL1 is a membrane-anchored proteoglycan which its core protein binds TGf3 and has a short cytoplasmic domain with no discernible signaling structure. Furthermore, ACVRL1 shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins which form a subfamily of receptor serine/threonine kinases.

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

ACVRL1 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 103 amino acids (22-118 a.a.) and having a molecular mass of 11.5 kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28 kDa). ACVRL1 is expressed with a 6 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
