



LD Biopharma, Inc.
9924 Mesa Rim Road Suite B
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- PRODUCT DATA SHEET -

Name of Product: Recombinant Human IGSF6 Protein
Catalog Number: hRP-1118
Manufacturer: LD Biopharma, Inc.

Introduction

Human immunoglobulin superfamily member 1 (IGSF6) gene encodes a member of the immunoglobulin-like domain-containing superfamily. Proteins in this superfamily contain varying numbers of immunoglobulin-like domains and are thought to participate in the regulation of interactions between cells. Recent data indicated that one of functions of IGSF6 protein may be involved in CD40L activation pathway in dendritic cell, which might important in various immune disorder development.

Full-length extracellular domain of human IGSF6 cDNA (28-153aa, derived from BC017844) was constructed with codon optimization and expressed with a small T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal. This protein is expressed in E.coli as inclusion bodies. The final product was refolded using our unique “temperature shift inclusion body refolding” technology and chromatographically purified.

Gene Symbol: IGSF6 (DORA)
Accession Number: NP_005840
Species: Human
Size: 40 µg / Vial
Composition: 0.4 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Sucrose.
Storage: In Liquid. Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

Key References

King,K., et al., *Genetic variation in the IGSF6 gene and lack of association with inflammatory bowel disease*. Eur. J. Immunogenet. 30 (3), 187-190 (2003)



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Bates,E.E., et al., *CD40L activation of dendritic cells down-regulates DORA, a novel member of the immunoglobulin superfamily*. Mol. Immunol. 35 (9), 513-524 (1998)

Applications

1. May be used for in vitro IGSF6 mediated CD40L activation regulation study for dendritic cells with this protein as either coating matrix protein or soluble factor.
2. May be used for IGSF6 protein – protein interaction.
3. May be used for specific antibody production.

Quality Control

Purity: > 90% by SDS-PAGE.

Recombinant Protein Sequence

MASMTGGQQMGRGHHHHHGNLYFQGGFCTLSVTQPWYLEVDYTHEAVTIKCTFSATGCPSEQ
PTCLWFRYGAHQPENLCLDGCKSEADKFTVREALKENQVSLTVNRVTSNDSAIYICGIAFPSVP
EARAKQTGGGTTLVVREIKLLSKELRS