
Product Data Sheet

Product Name: LAGE3 Human
 Cat. No.: GP23787
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CVG5; DXS9879E; DXS9951E; ESO3; ITBA2; EKC/KEOPS complex subunit LAGE3; L antigen family member 3; Protein ESO-3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMRDADAD AGGGADGGDG RGGHSCRGGV DTAAAPAGGA PPAHAPGPGR DAASAARGSR MRPHIFTL SV PFPTPLEAEI AHGSLAPDAE PHQRVVGKDL TVSGRILVVR WKAEDCRLLR ISVINFLDQL SLVVRTMQRF GPPVSR.		
Formulation	The LAGE3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 50% glycerol and 2mM DTT.		

Introduction

L antigen family member 3 (LAGE3) is a part of the CTAG family. LAGE3 is ubiquitously expressed in somatic tissues unlike the other family members, which are usually expressed only in testis and activated in a broad range of human tumors. LAGE3 is also highly conserved in mouse and rat, suggesting that the encoded protein is functionally significant.

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

LAGE3 Human Recombinant produced in E. coli is a single polypeptide chain containing 166 amino acids (1-143) and having a molecular mass of 17.2kDa. LAGE3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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