
Product Data Sheet

Product Name: LRG1 Canine
 Cat. No.: GP23830
 Batch No.: 1

Product Data

Purity	>98%	Source	Canine Serum.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Leucine-rich alpha-2-glycoprotein; LRG; LRG1; FLJ45787; HMFT1766.		
Amino Acid Sequence	<p>MSPWSPERSQ SPGGLSSHLS KTLLELFSV ASAQGVTPDR DTCLVFPSSN GSSVVSCHPPA KLPHHFPSDT VHLVVEFFNL TQLRPDTLQG VSNLQELHLS TNQLESLSPK LLLPVPLLVK LDLTRNALTQ LPPGLFRVSA ALHTLVLKEN RLEVLEPSWL CGLKALGHLD LSGNHLQTL PGLLANVTAL RILDLSNNQL KTLPLDLLRG PLQLERLHLE GNRLQVLEEG LLAPQPGLRY LFLSDNKLAA VAAGAFRGLQ QLDMLDLSNN SLTSVPKGLW TSLGQPTRDM EDGFDISGNP WICDHNLDDL YRWLVANKDK MFSRNDTRCA RPEALKGQTL LEAAESH.</p>		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	LRG1 protein filtered (0.4µm) and lyophilized in 0.5mg/ml in 20mM TRIS and 50mM NaCl, pH 8.0.		

Introduction

LRG1 belongs to the leucine-rich repeat (LRR) family of proteins, which have been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. The LRG1 is expressed during granulocyte differentiation.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

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

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Background

The Canine LRG1 produced from pooled Canine Serum has a molecular mass of 38.129kDa (calculated without glycosylation) containing 347 amino acid residues.

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