

Leucine-Rich Alpha-2-Glycoprotein 1 Canine

Item Number	rAP-2622
Synonyms	Leucine-rich alpha-2-glycoprotein, LRG, LRG1, FLJ45787, HMFT1766.
Description	The Canine LRG1 produced from pooled Canine Serum has a molecular mass of 38.129kDa (calculated without glycosylation) containing 347 amino acid residues.
Uniprot Accession Number	J9NSS7
Amino Acid Sequence	MSPWSPERSQ SPGGLSSHLS KTLLELFSV ASAQGVTPDR DTCLVFPSSN GSSVSPCHPPA KLPHHFSDT VHLVVEFFNL TQLRPDTLQG VSNLQELHLS TNQLESLSPK LLLPVPLLKV LDLTRNALTQ LPPGLFRVSA ALHTLVLKEN RLEVLEPSWL CGLKALGHLD LSGNHLQTL PGLLANVTAL RILDLSNNQL KTLPLDLLRG PLQLERLHLE GNRLQVLEEG LLAPQPGLRY LFLSDNKLAA VAAGAFRGLQ QLDMLDLSNN SLTSVPKGLW TSLGQPTRDM EDGFDISGNP WICDHNLDL YRWLVANKDK MFSRNDTRCA RPEALKGQTL LEAESH.
Source	Canine Serum.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	LRG1 protein filtered (0.4µm) and lyophilized in 0.5mg/ml in 20mM TRIS and 50mM NaCl, pH 8.0. Purity greater than 90% as determined by SDS-PAGE.
Application	
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
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**