
Product Data Sheet

Product Name: IGJ Human
 Cat. No.: GP23697
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	IGCJ; JCH; Immunoglobulin J chain; IGJ.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSQEDERIV LVDNKCKCAR ITSRIIRSSE DPNEDIVERN IRIIVPLNNR ENISDPTSPL RTRFVYHLSD LCKKCDPTEV ELDNQIVTAT QSNICDEDSA TETCYTYDRN KCYTAVVPLV YGGETKMOVET ALTPDACYPD.		
Formulation	The IGJ solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Immunoglobulin J chain (IGJ) helps to link 2 monomer units of either IgM or IgA and also helps to bind these immunoglobulins to secretory component. When it comes to IgM, the J chain-jointed dimer is a nucleating unit for the IgM pentamer and in the case of IgA it induces larger polymers.

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

IGJ Human Recombinant produced in E. coli is a single polypeptide chain containing 160 amino acids (23-159) and having a molecular mass of 18kDa. IGJ 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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