

Product information



IGJ, 23-159aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2039

Full name: Immunoglobulin J chain

NCBI Accession No.: NP_653247

Synonyms: IGCJ, JCH

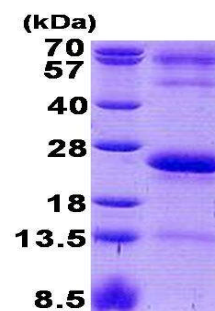
Description: Immunoglobulin J chain, also known as IGJ, serves to link two monomer units of either IgM or IgA. In the case of IgM, the J chain-joined dimer is a nucleating unit for the IgM pentamer, and in the case of IgA it induces larger polymers. It also helps to bind these immunoglobulins to secretory component. Recombinant human IGJ protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 18.0 kDa (160aa) confirmed by MALDI-TOF

Purity: > 85% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSQEDERIV LVDNKCKCAR ITSRIIRSSSE DPNEDIVERN IRIIVPLNNR ENISDPTSPL RTRFVYHLSL
LCKKCDPTEV ELDNQIVTAT QSNICDEDSA TETCYTYDRN KCYTAVVPLV YGGETKVMET ALTPDACYPD

General references:

Liu T., *et al.* (2005) *J. Proteome Res.* 4:2070-2080

Ramachandran P., *et al.* (2006) *J. Proteome Res.* 5:1493-1503

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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