

IGJ / Immunoglobulin J chain Recombinant Protein | IGJ recombinant protein

Recombinant Human IGJ / Immunoglobulin J chain Protein (His tag)

CATALOG #
AAA173534

HOST
E. coli

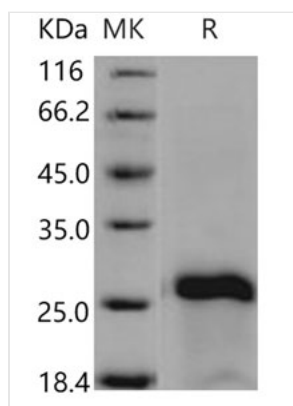
PRODUCT SYNONYMS

IGJ / Immunoglobulin J chain; Recombinant Human IGJ / Immunoglobulin J chain Protein (His tag); IGCJ; JCH; IGJ recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	> 90 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Species	Human
Sequence	Gln 23-Asp 159
Tag	C-His
Endotoxin	Please contact us for more information.
Reconstitution	It is recommended that sterile water(400ul) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Ships on blue ice. Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IGJ recombinant protein	Immunoglobulin J chain, also known as IGJ and IGCJ, is a secreted polypeptide which is the first immunoglobulin-related polypeptide expressed during the embryogenesis and differentiation of B cells in the fetal liver. The joining Immunoglobulin J chain is a small polypeptide, expressed by mucosal and glandular plasma cells, which regulates polymer formation of immunoglobulin (Ig)A and IgM. Immunoglobulin J chain / 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. Immunoglobulin J chain / IGJ also help to bind these immunoglobulins to secretory component. J-chain incorporation into polymeric IgA (pIgA, mainly dimers) and pentameric IgM endows these antibodies with several salient features. Immunoglobulin J chain / IGJ is involved in creating the binding site for pIgR / SC in the Ig polymers, not only by determining the polymeric quaternary structure but apparently also by interacting directly with the receptor protein. Both the immunoglobulin J chain / IGJ and the pIgR/SC are key proteins in secretory immunity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21489959
NCBI GeneID	3512
NCBI Accession #	NP_653247.1
NCBI GenBank Nucleotide #	NM_144646.3
UniProt Accession #	P01591
Molecular Weight	Mol_Mass: 17 kDa AP_Mol_Mass: 26 kDa
NCBI Official Full Name	immunoglobulin J chain
NCBI Official Synonym Full Names	joining chain of multimeric IgA and IgM
NCBI Official Symbol	JCHAIN
NCBI Official Synonym Symbols	IGJ; JCH; IGCJ
NCBI Protein Information	immunoglobulin J chain
UniProt Protein Name	Immunoglobulin J chain
UniProt Gene Name	JCHAIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/jchain-recombinant-protein-e-coli/173534>