

Ig gamma-1 chain C region Recombinant Protein | IGHG1 recombinant protein

Recombinant Human Ig gamma-1 chain C region

CATALOG # AAA81659	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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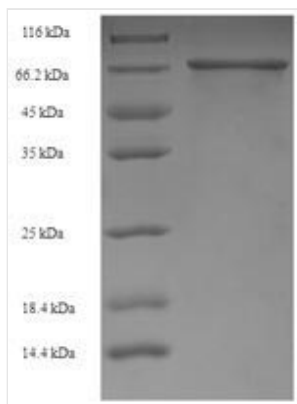
PRODUCT SYNONYMS

Ig gamma-1 chain C region; Recombinant Human Ig gamma-1 chain C region; IGHG1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-330aa; Full Length
Sequence	ASTKGPSVFP LAPSSKSTSG GTAALGCLVK DYFPEPVTVS WNSGALTSGV HTFPAVLQSS GLYSLSSVVT VPSSSLGTQT YICNVNHKPS NTKVDKKVEP KSCDKHTTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCSVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSGGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK
Sequence Length	330
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for IGHG1 recombinant protein	Immunology
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References

The nucleotide sequence of a human immunoglobulin C gamma1 gene. Ellison J.W., Berson B.J., Hood L.E. Nucleic Acids Res. 10:4071-4079(1982) The covalent structure of a human gamma G-immunoglobulin. VII. Amino acid sequence of heavy-chain cyanogen bromide fragments H1-H4. Cunningham B.A., Rutishauser U., Gall W.E., Gottlieb P.D., Waxdal M.J., Edelman G.M. Biochemistry 9:3161-3170(1970) The covalent structure of a human gamma G-immunoglobulin. 8. Amino acid sequence of heavy-chain cyanogen bromide fragments H5-H7. Rutishauser U., Cunningham B.A., Bennett C., Konigsberg W.H., Edelman G.M. Biochemistry 9:3171-3181(1970) The rule of antibody structure. The primary structure of a monoclonal IgG1 immunoglobulin (myeloma protein Nie) . III. The chymotryptic peptides of the H-chain, alignment of the tryptic peptides and discussion of the complete structure. Ponstingl H., Hilschmann N. Hoppe-Seyler's Z. Physiol. Chem. 357:1571-1604(1976) Three-dimensional structure determination of antibodies. Primary structure of crystallized monoclonal immunoglobulin IgG1 KOL, I. Schmidt W.E., Jung H.-D., Palm W., Hilschmann N. Hoppe-Seyler's Z. Physiol. Chem. 364:713-747(1983) The covalent structure of a human gamma G-immunoglobulin. X. Intrachain disulfide bonds. Gall W.E., Edelman G.M. Biochemistry 9:3188-3196(1970) Rule of antibody structure. The primary structure of a monoclonal IgG1 immunoglobulin (myeloma protein Nie) , I purification and characterization of the protein, the L- and H-chains, the cyanogen bromide cleavage products, and the disulfide bridges. Dreker L., Schwarz J., Reichel W., Hilschmann N. Hoppe-Seyler's Z. Physiol. Chem. 357:1515-1540(1976) Site-specific glycoprofiling of N-linked glycopeptides using MALDI-TOF MS strong correlation between signal strength and glycoform quantities. Thaysen-Andersen M., Mysling S., Hojrup P. Anal. Chem. 81:3933-3943(2009) Glycoproteomics analysis of human liver tissue by combination of multiple enzyme digestion and hydrazide chemistry. Chen R., Jiang X., Sun D., Han G., Wang F., Ye M., Wang L., Zou H.J. Proteome Res. 8:651-661(2009) A strategy for precise and large scale identification of core fucosylated glycoproteins. Jia W., Lu Z., Fu Y., Wang H.P., Wang L.H., Chi H., Yuan Z.F., Zheng Z.B., Song L.N., Han H.H., Liang Y.M., Wang J.L., Cai Y., Zhang Y.K., Deng Y.L., Ying W.T., He S.M., Qian X.H. Mol. Cell. Proteomics 8:913-923(2009) Initial characterization of the human central proteome. Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuehmer T., Bennett K.L., Superti-Furga G., Colinge J. BMC Syst. Biol. 5:17-17(2011) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome. Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014) Crystallographic refinement and atomic models of a human Fc fragment and its complex with fragment B of protein A from Staphylococcus aureus at 2.9- and 2.8-A resolution. Deisenhofer J. Biochemistry 20:2361-2370(1981) Promiscuous translocations into immunoglobulin heavy chain switch regions in multiple myeloma. Bergsagel P.L., Chesi M., Nardini E., Brents L.A., Kirby S.L., Kuehl W.M. Proc. Natl. Acad. Sci. U.S.A. 93:13931-13936(1996) Translocations of 14q32 and deletions of 13q14 are common chromosomal abnormalities in systemic amyloidosis. Harrison C.J., Mazzullo H., Ross F.M., Cheung K.L., Gerrard G., Harewood L., Mehta A., Lachmann H.J., Hawkins P.N., Orchard K.H. Br. J. Haematol. 117:427-435(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	121039
NCBI GeneID	3500
UniProt Accession #	P01857
Molecular Weight	52.1 kDa
NCBI Official Full Name	Ig gamma-1 chain C region
NCBI Official Synonym Full Names	immunoglobulin heavy constant gamma 1 (G1m marker)
NCBI Official Symbol	IGHG1
UniProt Protein Name	Ig gamma-1 chain C region
UniProt Gene Name	IGHG1
UniProt Entry Name	IGHG1_HUMAN

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