

Vitellogenin-2 (VTG2) Recombinant Protein | VTG2 recombinant protein

Recombinant Chicken Vitellogenin-2 (VTG2), partial

CATALOG # AAA116213	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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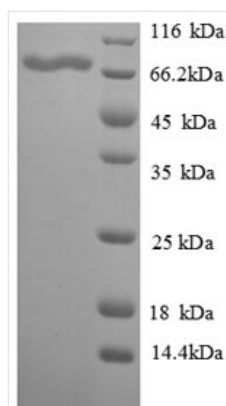
PRODUCT SYNONYMS

Vitellogenin-2 (VTG2); Recombinant Chicken Vitellogenin-2 (VTG2); partial; Major vitellogenin; Vitellogenin II; VTG2 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	26-653aa; Partial
Sequence	SRRSYLYNVE GSMLNGLQDR SLGKAGVRLS SKLEISGLPE NAYLLKVRSP QVEEYNGVWP RDPFTRSSKI TQVISSCFTR LFKFEYSSGR IGNIYAPEDC PDLCVNIVRG ILNMFQMTIK KSQNVYELQE AGIGGICHAR YVIQEDRKNS RIYVTRTVDL NNCQEKVQKS IGMAYIYPCP VDMKERLTK GTTAFSYKLK QSDSGTLITD VSSRQVYQIS PFNEPTGVAV MEARQQLTLV EVRSESGSAP DVPMQNYGSL RYRFPVLPQ MPLQLIKTKN PEQRIVETLQ HIVLNNQQDF HDDVSYRFLE VVQLCRIANA DNLESIWRQV SDKPRYRRWL LSAVSASGTT ETLKLKNRI RNDDLNYIQT LLTVSLTLHL LQADEHTLPI AADLMTSSRI QKNPVLQQA CLGYSSVVNR YCSQTSACPK EALQPIHDLA DEAIRGRED KMKLALKCIG NMGEPASLKR ILKFLPISSS SAADIPVHIQ IDAITALKKI AWKDPKTVQG YLIQILADQS LPPEVRMMAC AVIFETRPAI ALITTIANVA MKESNMQVAS FVYSHMKSLK KSRLPFMYNI SSACNIALKL LSPKLDSMSY RYSKVIRADT YFDNYRVGAT GEIFVVNS
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

Related Product Information for VTG2 recombinant protein	Precursor of the major egg-yolk proteins that are sources of nutrients during early development of oviparous organisms. Phosvitin is believed to be of importance in sequestering calcium, iron and other cations for the developing embryo.
Product Categories/Family for VTG2 recombinant protein	Signal Transduction

References	Nucleotide sequence of a chicken vitellogenin gene and derived amino acid sequence of the encoded yolk precursor protein.van Het Schip A.D., Samallo J., Broos J., Ophuis J., Mojet M., Gruber M., Ab G.J. Mol. Biol. 196:245-260(1987) Comparison of the organization and fine structure of a chicken and a Xenopus laevis vitellogenin gene.Nardelli D., Het Schip F.D., Gerber-Huber S., Haefliger J.-A., Gruber M., Ab G., Wahli W.J. Biol. Chem. 262:15377-15385(1987) Sequence homologies within the 5' end region of the estrogen-controlled vitellogenin gene in Xenopus and chicken.Walker P., Brown-Luedi M., Germond J.-E., Wahli W., Meijlink F.C.P.W., van Het Schip A.D., Roelink H., Gruber M., Geert A.B.EMBO J. 2:2271-2279(1983) Identification and sequence analysis of the 5' end of the major chicken vitellogenin gene.Burch J.B.E.Nucleic Acids Res. 12:1117-1135(1984) Amino acid sequence of phosvitin derived from the nucleotide sequence of part of the chicken vitellogenin gene.Byrne B.M., van Het Schip A.D., van de Klundert J.A.M., Arnberg A.C., Gruber M., Ab G.Biochemistry 23:4275-4279(1984) The primary structure of avian phosvitins. Contributions through the Edman degradation of methylmercaptovitins prepared from the constituent phosphoproteins.Clark R.C.Int. J. Biochem. 17:983-988(1985) Precursor-product relationship between chicken vitellogenin and the yolk proteins the 40 kDa yolk plasma glycoprotein is derived from the C-terminal cysteine-rich domain of vitellogenin II.Yamamura J., Adachi T., Aoki N., Nakajima H., Nakamura R., Matsuda T.Biochim. Biophys. Acta 1244:384-394(1995) Characterization of a polymorphism in the 3' part of the chicken vitellogenin gene.Philipsen J.N.J., De Vries J.E., Samallo J., Van Dijk C., Arnberg A.C., Ab G.J. Mol. Evol. 28:185-190(1989)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71896765
NCBI GeneID	424533
NCBI Accession #	NP_001026447.1
NCBI GenBank Nucleotide #	NM_001031276.1
UniProt Accession #	P02845; Q6LBT2; Q91026; Q91027
Molecular Weight	74.9 kDa
NCBI Official Full Name	vitellogenin-2
NCBI Official Synonym Full Names	vitellogenin 2
NCBI Official Symbol	VTG2
NCBI Official Synonym Symbols	vit; VIT2
NCBI Protein Information	vitellogenin-2
UniProt Protein Name	Vitellogenin-2
UniProt Gene Name	VTG2
UniProt Synonym Gene Names	VTGII; LVI; PV; LVII
UniProt Entry Name	VIT2_CHICK

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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