

Recombinant Human BYSL Protein, GST-tagged

Cat. No. BYSL-409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BYSL full-length ORF (AAH07340, 1 a.a. - 324 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Bystin is expressed as a 2-kb major transcript and a 3.6-kb minor transcript in SNG-M cells and in human trophoblastic teratocarcinoma HT-H cells. Protein binding assays determined that bystin binds directly to trophinin and tastin, and that binding is enhanced when cytokeratins 8 and 18 are present. Immunocytochemistry of HT-H cells showed that bystin colocalizes with trophinin, tastin, and the cytokeratins, suggesting that these molecules form a complex in trophectoderm cells at the time of implantation. Using immunohistochemistry it was determined that trophinin and bystin are found in the placenta from the sixth week of pregnancy. Both proteins were localized in the cytoplasm of the syncytiotrophoblast in the chorionic villi and in endometrial decidual cells at the uteroplacental interface. After week 10, the levels of trophinin, tastin, and bystin decreased and then disappeared from placental villi.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	61.38 kDa
AA Sequence	MTAAGHHAEEVVDPEDERAIEFMNKNPPARRTLADIIMEKLTEKQTEVETVMSEVS GFPMPLQDPRVLEVYRGVREVLISKYRSGKLPKAFKIIPALSNWDQILYVTEPEAWTA

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AAMYQATRIFASNLKERMAQRFYNLVLLPRVRDDVAEYKRLNFHLYMALKKALFKPG
 AWFKGILIPCESGTCTLREAIIVGSIITKCSIPVLHSSAAMLKIAEMEYSGANSIFLRLLL
 DKKYALPYRVLDALVFHFLGFRTEKRELPVLWHQCLLTLVQRYKADLATDQKEALLE
 LLRLQPHPQLSPEIRRELQSAVPRDVEDVPITVE

Quality Control Test	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

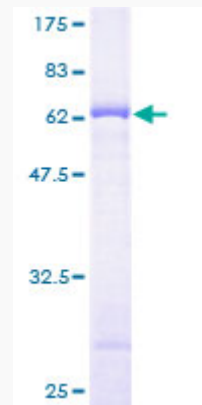
GENE INFORMATION

Gene Name	BYSL bystin like [Homo sapiens (human)]
Official Symbol	BYSL
Synonyms	Enp1; BYSTIN
Gene ID	705
mRNA Refseq	NM_004053.3
Protein Refseq	NP_004044.3
MIM	603871
UniProt ID	Q13895.3

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