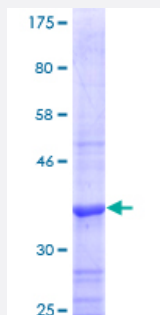


STS (Human) Recombinant Protein (Q01)

Catalog # H00000412-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human STS partial ORF (NP_000342, 248 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	YEIIQQPMSYDNLQRLTVEAAQFIQRNTETPFLLVLSYLVHTALFSSKDFAGKSQHGVDAAVEE MDWSVGQILNLLDELRLANDTLIYFTSDQGAHVEEV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.07
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — STS

Entrez GeneID	412
GeneBank Accession#	NM_000351
Protein Accession#	NP_000342
Gene Name	STS
Gene Alias	ARSC, ARSC1, ASC, ES, SSDD
Gene Description	steroid sulfatase (microsomal), isozyme S
Omim ID	308100
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene catalyzes the conversion of sulfated steroid precursors to estrogens during pregnancy. The encoded protein is found in the endoplasmic reticulum, where it acts as a homodimer. Mutations in this gene are known to cause X-linked ichthyosis (XLI). [provided by RefSeq]
Other Designations	OTTHUMP00000022868 arylsulfatase C estrone sulfatase steryl-sulfatase steryl-sulfate sulfohydrolase

Pathway

- [Androgen and estrogen metabolism](#)

Disease

- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Ichthyosis](#)
- [Polycystic Ovary Syndrome](#)
- [Social Perception](#)