

## Product datasheet for **TP310431**

### Steroid sulfatase (STS) (NM\_000351) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human steroid sulfatase (microsomal), isozyme S (STS), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC210431 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MPLRKMKIPFLLLFFLWEAESHAASRPNIILVMADDLIGDPCYGNKTIRTPNIDRLASGGVKTQHLA  
ASPLCTPSRAAFMTGRYPVRSGLMASWSRTGVFLFTASSGGLPTDEITFAKLLKDQGYSTALIGKWHLGMS  
CHSKTDFCHHPLHHGFNYFYGISLTNLRDCKPGEFSVFTTGFKRLVFLPLQIVGVTLLTLAALNCLGLLH  
VPLGVFFSLLFLAALILTFLGFLHYFRPLNCFMNRNYEIIQQPMSYDNLQRLTVEAAQFIQRNTETPF  
LLVLSYLHVHTALFSSKDFAGKSQHGVIYGDVEEMDWSVGQILNLLDELRLANDTLIYFTSDQGAHVEEV  
SSKGEIHGGSNGIYKGGKANNWEGGIRVPGILRWPRVIQAGQKIDEPTSNMIDIFPTVAKLAGAPLPEDRI  
IDGRDLMPLLEGKSQRSDFEFLFHYCNAYLNAVRWHPQNSTSIWKAFFFTPNFNPVGSNGCFATHVCFCF  
GSYVTHDPPLLFDISKDPRERNPLTPASEPRFYEILKVMQEAAADRHTQTLPEVPDQFSWNNFLWKPWLQ  
LCCPSTGLSCQCDREKQDKRLSR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 62.9 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

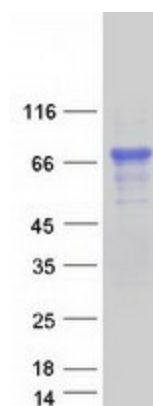
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000342</a>
<b>Locus ID:</b>	412
<b>UniProt ID:</b>	<a href="#">P08842</a>
<b>RefSeq Size:</b>	6377
<b>Cytogenetics:</b>	Xp22.31
<b>RefSeq ORF:</b>	1749
<b>Synonyms:</b>	ARSC; ARSC1; ASC; ES; SSDD; XLI
<b>Summary:</b>	This gene encodes a multi-pass membrane protein that is localized to the endoplasmic reticulum. It belongs to the sulfatase family and hydrolyzes several 3-beta-hydroxysteroid sulfates, which serve as metabolic precursors for estrogens, androgens, and cholesterol. Mutations in this gene are associated with X-linked ichthyosis (XLI). Alternatively spliced transcript variants resulting from the use of different promoters have been described for this gene (PMID:17601726). [provided by RefSeq, Mar 2016]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Androgen and estrogen metabolism

### Product images:



Coomassie blue staining of purified STS protein (Cat# TP310431). The protein was produced from HEK293T cells transfected with STS cDNA clone (Cat# [RC210431]) using MegaTran 2.0 (Cat# [TT210002]).