SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human STS (Steroid sulfatase) Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX1920K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human STS membrane protein expressed *in vitro E.coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
STS

Protein Length
Full Length of Mature Protein

Protein Class
Receptor

TMD
2

Sequence
HAASRPNIILVMADDLGIGDPGCYGNKTIRTPNIDRLASGGVKLTQHLAASPLCTPSRAAFMTGRYPVRSGMASWSRTGVFLFTASS

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

STS

Full Name

Steroid sulfatase

Introduction

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).

Alternative Names

STS; ES; ASC; XLI; ARSC; SSDD; ARSC1; arylsulfatase C; estrone sulfatase; steroid sulfatase (microsomal), isozyme S; steryl-sulfate sulfohydrolase; Steroid sulfatase

Gene ID

412

UniProt ID

P08842

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