BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno-Řečkovice a Mokrá Hora

Date of issue: 02.11.2018

PRODUCT DATASHEET

ST2 Human HEK293

Cat. No.: RD172134100
Type: Recombinant protein
Size: 0.1 mg
Source: HEK293
Species: Human

Description
Total 320 AA. MW: 36.2 kDa (calculated). UniProtKB acc. no. Q01638. C-terminal His-tag. Protein identity confirmed by LC-MS/MS.

Other names
growth stimulation expressed gene 2, IL1RL1, DER4, T1, and FIT-1

Research topic
Cytokines and chemokines and related molecules, Immune Response, Infection and Inflammation

Amino Acid sequence
ASKFSKQSWG LENEALIVRC PRQGKPSYTV DWYYSQTNKS IPTQERNRVF ASGQLLKFLP AAVADSGIYT CIVRSPTFNR TGYANVTIYK KQSDCNVPDY LMYSTVSGSE KNSKIYCPTI DLYNWTAPLE WFKNCQALQG SRYRAHKSFL VIDNVMTEDA GDYTCKFIHN ENGANYSVTA TRSFTVKDEQ GFSLFPVIGA PAQNEIKEVE IGKNANLTCS ACFGKGTQFL AAVLWQLNGT KITDFGEPRI QQEEGQNQSF SNGLACLDMV LRIADVKEED LLLQYDCLAL NLHGLRRHTV RLSRKNPSKE CFKLHHHHHH

Purity
Purity as determined by densitometric image analysis: > 95%

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, pH 7.4

Reconstituion:
Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping
At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life
Store lyophilized protein at –80°C. Lyophilized protein remains stable until the expiry date when stored at –80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

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Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

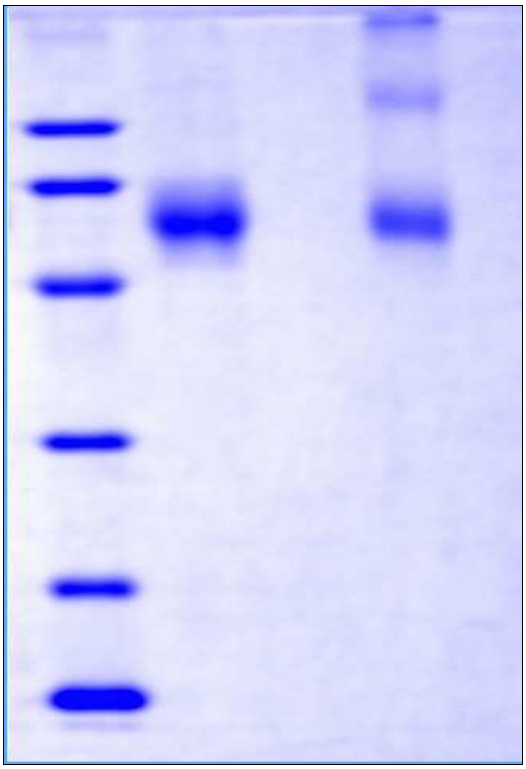
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human ST2 :
1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane

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