

Datasheet for ABIN7553637

## Transmembrane 7 Superfamily Member 4 (TM7SF4) (AA 1-470) protein (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	Transmembrane 7 Superfamily Member 4 (TM7SF4)
Protein Characteristics:	AA 1-470
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

### Product Details

Purpose:	Custom-made recombinant DCSTAMP Protein expressed in mammalian cells.
Sequence:	<p>MGIWTSGETDI FLSLWEIYVS PRSPGWMDFI QHLGVCCLVA LISVGLLSVA ACWFLPSIIA</p> <p>AAASWIITCV LLCCSKHARC FILLVFLSCG LREGRNALIA AGTGIVILGH VENIFHNFKG</p> <p>LLDGMTCNLR AKSFSIHFPL LKKYIEAIQW IYGLATPLSV FDDLVSWNQT LAVSLFSPSH</p> <p>VLEAQLNDSK GEVLSVLYQM ATTTEVLSSL GQKLLAFAGL SLVLLGTGLF MKRFLGPCGW</p> <p>KYENIYITRQ FVQFDERERH QQRPCVLPLN KEERRKYVII PTFWPTPKER KNLGLFFLPI</p> <p>LIHLCIWVLF AAVDYLLYRL IFSVSKQFQS LPGFEVHLKL HGEKQGTQDI IHDSSFNISV</p> <p>FEPNCIPKPK FLLSETWVPL SVILLILVML GLLSSILMQL KILVSASFYP SVERKRIQYL</p> <p>HAKLLKKRSK QPLGEVKRRL SLYLTKIHFV LPVLKMIRKK QMDMASADKS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

Transmembrane 7 Superfamily Member 4 (TM7SF4)

### Alternative Name:

DCSTAMP ([TM7SF4 Products](#))

### Background:

Dendritic cell-specific transmembrane protein (DC-STAMP) (hDC-STAMP) (Dendrocyte-expressed seven transmembrane protein) (IL-four-induced protein) (FIND) (Transmembrane 7 superfamily member 4),FUNCTION: Probable cell surface receptor that plays several roles in cellular fusion, cell differentiation, bone and immune homeostasis. Plays a role in TNFSF11-mediated osteoclastogenesis. Cooperates with OCSTAMP in modulating cell-cell fusion in both osteoclasts and foreign body giant cells (FBGCs). Participates in osteoclast bone resorption. Involved in inducing the expression of tartrate-resistant acid phosphatase in osteoclast precursors. Plays a role in haematopoietic stem cell differentiation of bone marrow cells toward the myeloid lineage. Inhibits the development of neutrophilic granulocytes. Plays also a role in the regulation of dendritic cell (DC) antigen presentation activity by controlling phagocytic activity. Involved in the maintenance of immune self-tolerance and avoidance of autoimmune reactions.

## Target Details

---

Molecular Weight: 53.4 kDa

UniProt: [Q9H295](#)

## Application Details

---

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months