

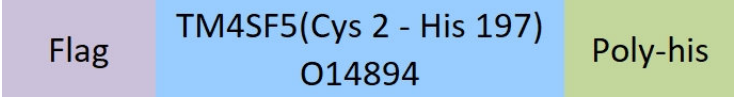
Synonym

TM4SF5

Source

Human TM4SF5 Protein, Flag,His Tag(TM5-H52D3) is expressed from human 293 cells (HEK293). It contains AA Cys 2 - His 197 (Accession # [O14894](#)).
Predicted N-terminus: Met

Molecular Characterization



This protein carries a flag tag at the N-terminus and a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 24.4 kDa.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

Formulation

This product is not suitable for cell based experiments due to cytotoxicity of DDM.
DDM and CHS are INDISPENSABLE to keep membrane protein soluble and active, under no circumstance should you remove DDM and CHS.
DDM/CHS buffer (DC-11) is sold separately and not included in protein, and please contact us if you need the buffer.
If glycerol is not compatible to your application, remove glycerol just before immediate experiment, and NEVER store glycerol-free protein solution.

Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

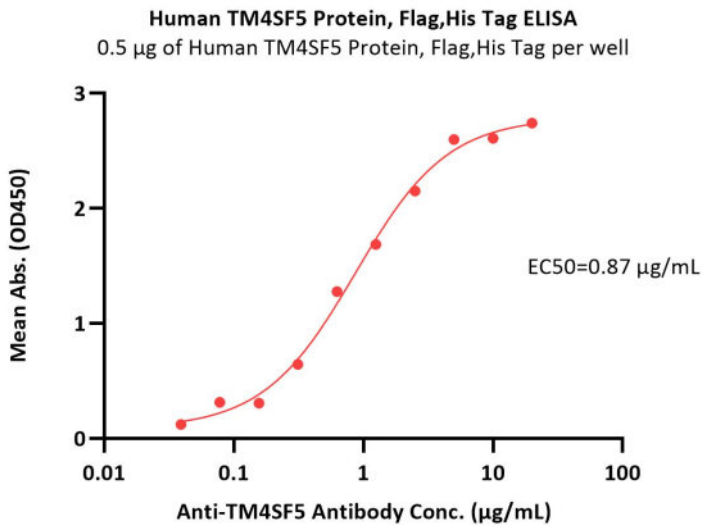
Storage

Please avoid repeated freeze-thaw cycles.

- This product is stable after storage at:
- The product MUST be stored at -70°C or lower upon receipt;
 - -70°C for 3 months under sterile conditions.

*The DDM/CHS buffer (Cat. No. [DC-11](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

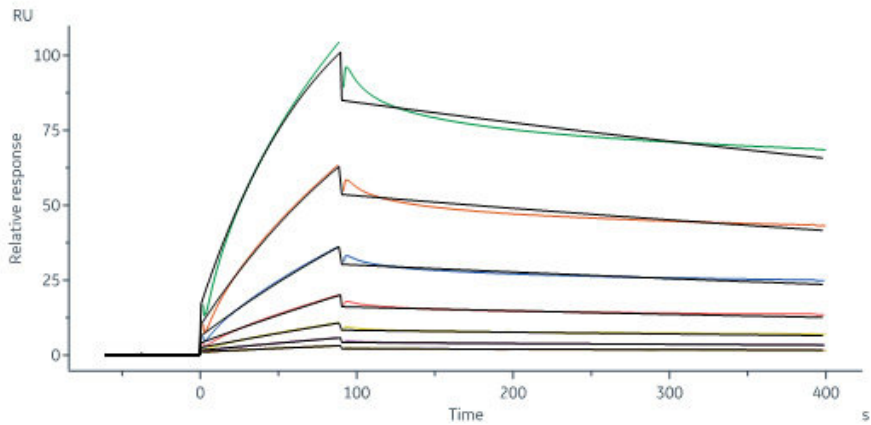
Bioactivity-ELISA



Immobilized Human TM4SF5 Protein, Flag,His Tag (Cat. No. TM5-H52D3) at 5 µg/mL (100 µL/well) on a Nickel Coated plate can bind Anti-TM4SF5 Antibody with a linear range of 0.039-2.5 µg/mL (QC tested).



Bioactivity-SPR



Anti-TM4SF5 Antibody captured on Protein A Chip can bind Human TM4SF5 Protein, Flag,His Tag (Cat. No. TM5-H52D3) with an affinity constant of 131 nM as determined in a SPR assay (in presence of DDM and CHS) (Biacore 8K) (Routinely tested).

Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein and is highly similar in sequence and structure to transmembrane 4 superfamily member 1. It may play a role in cell proliferation, and overexpression of this protein may be associated with the uncontrolled growth of tumour cells. [provided by RefSeq, Jul 2008]

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and more!

