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Product datasheet

Recombinant Human TSSC3 protein ab173039

1 References

Description

Product name	Recombinant Human TSSC3 protein
Purity	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	= 1.000 Eu/µg
Expression system	Escherichia coli
Accession	Q53GA4
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MKSPDEVLREGELEKRSDSLFQLWKKKRGVLTSDRLSLF PASPRARPKEL RFHSILKVDCVERTGKYVYFTIVTTDHKEIDFRCAGESCWN AAIALALID FQNRRALQDFRSRQERTAPAAPAEDAVAAAAAAPSEPS EPSRPSPQPKPR TPLEHHHHHH
Predicted molecular weight	18 kDa including tags
Amino acids	1 to 152
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab173039** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.58% Sodium chloride, 0.02% DTT, 0.24% Tris

Supplied as a 0.2 µM filtered solution.

General Info

Function	Plays a role in regulating placenta growth. May act via its PH domain that competes with other PH domain-containing proteins, thereby preventing their binding to membrane lipids.
Tissue specificity	Expressed in placenta and adult prostate gland. In placenta, it is present in all cells of the villous cytotrophoblast. The protein is absent in cells from hydatidiform moles. Hydatidiform mole is a gestation characterized by abnormal development of both fetus and trophoblast. The majority of hydatidiform moles are associated with an excess of paternal to maternal genomes and are likely to result from the abnormal expression of imprinted genes (at protein level). Expressed at low levels in adult liver and lung, and fetal liver. Expressed in adult brain and neuroblastoma, medullablastoma and glioblastoma cell lines.
Sequence similarities	Belongs to the PHLDA2 family. Contains 1 PH domain.
Domain	The PH domain binds phosphoinositides with a broad specificity. It may compete with the PH domain of some other proteins, thereby interfering with their binding to phosphatidylinositol 4,5-bisphosphate (PIP2) and phosphatidylinositol 3,4,5-triphosphate (PIP3).
Cellular localization	Cytoplasm. Membrane.

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