

Datasheet for ABIN7561857
TOMT Protein (AA 1-258) (His tag)



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Overview

Quantity:	1 mg
Target:	TOMT
Protein Characteristics:	AA 1-258
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TOMT protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tomt Protein expressed in mammalian cells.
Sequence:	MSPAIALAFL PLVVTLLVRY RHHFRLLVRT VLLRGFRDCL SGLRIEERAF SYVLTHALPG DPGHILTTLD HWSSCCEYLS HMGPVKGQIL MRLVEEKAPA CVLELGTYCG YSTLLIARAL PPGSRLTVE RDSRTAAVAE KVIRLAGFDE QMVELIAGSS EEVIPRLRAQ HQLNRADLVL LAHRPRYYLR DLQLLEAHAL LPHGATVLAD HVLFPGAPRF LQYTKSCGRY RCRLHHTSLP DFPAIKDGIA QLTYTGPG 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	TOMT
Alternative Name:	Tomt (TOMT Products)
Background:	Transmembrane O-methyltransferase homolog (mTOMT) (EC 2.1.1.6) (Catechol O-methyltransferase 2),FUNCTION: Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones (PubMed:18794526). Required for auditory function (PubMed:18794526, PubMed:28504928). Component of the cochlear hair cell's mechanotransduction (MET) machinery. Involved in the assembly of the asymmetric tip-link MET complex. Required for transportation of TMC1 and TMC2 proteins into the mechanically sensitive stereocilia of the hair cells. The function in MET is independent of the enzymatic activity (PubMed:28504928). {ECO:0000269 PubMed:18794526, ECO:0000269 PubMed:28504928}.
Molecular Weight:	28.8 kDa
UniProt:	A1Y9I9
Pathways:	Sensory Perception of Sound

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
