

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of TOM1 (isoform 2)

Enzyme description:- TOM1 isoform 2 (N-terminal GST)

Clone number:- DU35342

Source:- Recombinant

Tag:- N-terminal GST

Purification method:- GSH-Sepharose

Expression level:- 2mg/L

Calculated molecular mass:-

Monoisotopic 80647 Da

Average Mass 80695 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 4.79

Purity:- 80%

Protein storage buffer:-

50 mM HEPES pH 7.5, 10% glycerol, 150mM NaCl, 1mM DTT

Storage temperature:- -80°C

Assay:-

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Clone Data Sheet

Protein name TOM1 (isoform 2)

<u>Protein</u>	GST-TOM1 1- 493 (full length)
<u>Synonyms</u>	Target of Myb protein 1 (isoform 2)
<u>Clone Number</u>	DU35342
<u>Species</u>	Human
<u>Accession Number</u>	Protein: O60784.2
<u>Tags</u>	N-terminal GST
Aminoacid sequence of the expressed protein	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSR IAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLEVLFOGPLGSMDFLLGNPFSSPVGQRIEKATDGSLOSEDWALNMEICDIINETEEGPKDALRAVKKRIVGNKNFHEVMLALTVLETCVKNCGHRFHVLVASQDFVESVLVRTILPKNNPPTIVHDKVLNLIQSWADAFRSSPDLTGVVTIYEDLRRKGLEFPMTDLDMLSPIHTPQRTVFNSETQSGQDSVGTDSSQQEDSGQHAAPLPAPPILSGDTP IAPTPEQIGKLRSELEMVSGNVRVMSEMLTEL VPTQAEPADLELLQELNRTC RAMQQRVLELIPOIANEQLTEELLIVNDNLNNVFLRHERFERFRGTGQTKAPSEAEPAADLIDMGPDPAATGNLSSQLAGMNLGSSSVRAGLQSL EASGRLEDEFDMFALTRGSSLADQRKEVKYEAPQATDGLAGALDARQOSTGAI PVTQACLMEIEQWLSTDVGNDAEEP KGV TSEGKFDKFL EERAKAADRLPNLSSPSAEGP PGPPSGPAPRKKTQEKDDDMLFAL
Native sequence	in bold
Protease cleavage	Prescission site underlined
Cloning sites	BamH1 NotI

**DNA sequence of
insert**

ggatccatggactttctcctggggaacccgttcagctctccagtgggacag
cgcacgcgagaaagccacagatggctccctgcagagcgaggactgggccctc
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