

Datasheet for ABIN7562429

EOMES Protein (AA 1-707) (His tag)



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Overview

Quantity:	1 mg
Target:	EOMES
Protein Characteristics:	AA 1-707
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EOMES protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Eomes Protein expressed in mammalian cells.
Sequence:	<p> MQLGEQLLVS SVNLPGAHFY SLESARGGGG GGGGGGGGGG GSVSLLPGAA PSPQRDLDDK ASKKFPGSLP CQAGSAEPAG AGAGAPAAML SDADAGDTFG STSAVAKPGP PDGRKGSPCA EEELPSAATA AATARYSMDS LSSERYYLPS PGPQGSELAA PCSLFQYPAA AGAAHGPVYP ASNGARYPYG SMLPPGGFPA AVCPPARAQF GPAAGSGSGA GSSGGGAGGP GAYPYGQGSP LYGPYAGTSA AGSCGGLGGL GVPGSGFRAH VYLCNRPLWL KFHRHQTEMI ITKQGRRMFP FLSFNINGLN PTAHYNVFVE VVLADPNHWR FQGQKWWTCG KADNNMQGNK MYVHPESPNT GSHWMRQEIS FGKLKLTNNK GANNNTQMI VLQSLHKYQP RLHIVEVTEG GVEDLNEPSK TQTFTFSETQ FIAVTAYQNT DITQLKIDHN PFAKGFRDNY DSMYTASEND RLTPSPTDSP RSHQIVPGGR YGVQNFFPEP FVNTLPQARY YNGERTVPQT NGLLSPQQSE EVANPPQRWL VTPVQQPVTN KLDIGSYESE YTSSTLLPYG IKSLPLQTSK ALGYYPDPTF PAMAGWGGRG AYQRKMAAGL PWTSRMSPPV FPDQLAKEK VKEEISSWI ETPPSIKSLD SSDSGVYNNA </p>

CKRKRLSPST PSNGNSPPIK CEDINTEEYS KDTSKGMGAY YAFYTSP **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.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	EOMES
Alternative Name:	Eomes (EOMES Products)
Background:	<p>Eomesodermin homolog (T-box brain protein 2) (T-brain-2) (TBR-2),FUNCTION: Functions as a transcriptional activator playing a crucial role during development. Functions in trophoblast differentiation and later in gastrulation, regulating both mesoderm delamination and endoderm specification. Plays a role in brain development being required for the specification and the proliferation of the intermediate progenitor cells and their progeny in the cerebral cortex. Also involved in the differentiation of CD8+ T-cells during immune response regulating the expression of lytic effector genes. {ECO:0000269 PubMed:10716450, ECO:0000269 PubMed:14605368, ECO:0000269 PubMed:18171685, ECO:0000269 PubMed:18940588}.</p>

Target Details

Molecular Weight:	74.8 kDa
UniProt:	O54839
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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