

## Product datasheet for TP321014

### EOMES (NM\_005442) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human eomesodermin (EOMES), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC221014 representing NM_005442 Red=Cloning site Green=Tags(s)  <p> MQLGELLVSSVNLPGAHFYPLESARGGSGGSAGHLPSPAAPSPQKLDLKDASKKFSGLSCEAVSGEPAA  ASAGAPAAMLSDTDAGDAFASAAAVAKPGPPDGRKGSPCGEEELPSAAAAAAAAAAAAAAAAATARYSMDLSL  SERYYLQSPGPQGSELAAPCSLFPYQAAAGAPHGVPYPAPNGARYPYGSMLPPGGFPAAVCPPGRAQFGP  GAGAGSGAGGSSGGGGPGTYQYSQGAPLYGYPGAAAAGSCGGLGGLGVPGSGFRAHVYLCNRPLWLKF  HRHQTEMIITKQRRMFPFLSFNINLNPTAHYNVFEVVLADPNHWRFQGGKWVTCGKADNNMQGNKMY  VHPESPNTGSHWMRQEISFGKCLKLTNNKGANNNTQMIVLQSLHKYQPRHLHIVEVTEDEGVEDLNESKTK  TFTFSETQFIAVTAYQNTDITQLKIDHNPFAKGFDRDNYSSHQIVPGGRYGVQSFFPEPFVNTLPQARYY  NGERTVPQTNGLLSPQQSEEVANPPQRWLVTPVQQPGTNKLDISSYESEYTSSTLLPYGIKSLPLQTS  HAGYYPDPTFAMAGWGGRGSYQRKMAAGLPWTSRTSPTVFSQDLSKEKVKKEIGSSWIETPPSIKSLDS  NDSGVYTSACKRRRLSPSNSSNENSPSIKCEDINAEYSKDTSKGMGGYYAFYTPP    TRTRPLEQKLISEEDLAANDILDYKDDDDKV </p>
<b>Tag:</b>	Myc-DDK
<b>Predicted MW:</b>	72.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



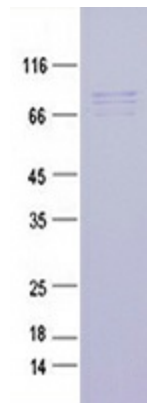
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RefSeq:	<a href="#">NP_005433</a>
Locus ID:	8320
UniProt ID:	<a href="#">O95936</a> , <a href="#">B7Z4K0</a>
RefSeq Size:	2756
Cytogenetics:	3p24.1
RefSeq ORF:	2058
Synonyms:	TBR2

**Summary:** This gene belongs to the TBR1 (T-box brain protein 1) sub-family of T-box genes that share the common DNA-binding T-box domain. The encoded protein is a transcription factor which is crucial for embryonic development of mesoderm and the central nervous system in vertebrates. The protein may also be necessary for the differentiation of effector CD8+ T cells which are involved in defense against viral infections. A similar gene disrupted in mice is shown to be essential during trophoblast development and gastrulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

**Protein Families:** Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

### Product images:



Coomassie blue staining of purified EOMES protein (Cat# TP321014). The protein was produced from HEK293T cells transfected with EOMES cDNA clone (Cat# [RC221014]) using MegaTran 2.0 (Cat# [TT210002]).