

## Product datasheet for **TP328288L**

### **POU5F1B (NM\_001159542) Human Recombinant Protein**

#### Product data:

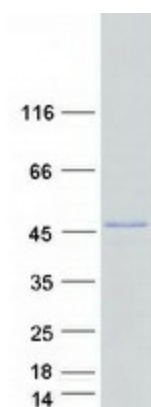
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human POU class 5 homeobox 1B (POU5F1B), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC228288 representing NM_001159542 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAGHLASDFAFSPPPGGGGDGPWGAEPGWVDPDLTWLSFQGGPGGPGIGPGVGPSEVWGIPPCPPPYELC GGMAYCGPQVGVLVPQGGLETSQPESEAGVGVESNSNGASPEPCTVPPGAVKLEKEKLEQNPEKSQDIK ALQKELEQFAKLLKQKRITLGYTQADVGLILGVLFGKVFVSQKTCRFEALQLSFKNMCKLRPLLQKWVEE ADNNENLQEICKAETLMQARKRKRRTSIENRVRGNLENLFLQCPKPTLQISHIAQQLGLEKDWVRVWFCNR RQKGRSSSDYAQREDFEAAGSPFSGGPVSPFPAPGPHFGTPGYGSPHFTALYSSVPFPEGEVFPVSVI TLGSPMHSN
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	38.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	NULL or Add: Recombinant proteins was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001153014</a></u>
Locus ID:	5462



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UniProt ID:	<a href="#">Q06416</a>
Cytogenetics:	8q24.21
RefSeq ORF:	1077
Synonyms:	OCT4-PG1; OCT4PG1; OTF3C; OTF3P1; POU5F1P1; POU5F1P4; POU5FLC8; POU5FLC20
Summary:	This intronless gene was thought to be a transcribed pseudogene of POU class 5 homeobox 1, however, it has been reported that this gene can encode a functional protein. The encoded protein is nearly the same length as and highly similar to the POU class 5 homeobox 1 transcription factor, has been shown to be a weak transcriptional activator and may play a role in carcinogenesis and eye development. [provided by RefSeq, Apr 2009]

### Product images:



Coomassie blue staining of purified POU5F1B protein (Cat# [TP328288]). The protein was produced from HEK293T cells transfected with POU5F1B cDNA clone (Cat# [RC228288]) using MegaTran 2.0 (Cat# [TT210002]).