

## Product datasheet for **TP502966**

### **Efhd1 (NM\_028889) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse EF hand domain containing 1 (Efhd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR202966 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSSEELACKLQRRRLRLEVRAETDQGDQPAPCDAPAGHPEPEPPARAPTASADSELNLKLSRRLDIHQGT  
ARPGRSKVFNPYTEFPEFSRLLKDLEKMFKTYDAGRDFIDLMELKLMMEKLGAPQTHLGLKSMIKEVD  
EDFDGKLSFREFLLIFHKAAAGELQEDSGLLALAKFSEIDVALEGVRGAKNFFEAKAQALSCSSKFEAEL  
KAEQEERKREEEARRLRQAAFRELKAAFS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	27 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 after receiving vials.
<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.
<b>RefSeq:</b>	<a href="#">NP_083165</a>
<b>Locus ID:</b>	98363
<b>UniProt ID:</b>	<a href="#">Q9D4J1</a>
<b>RefSeq Size:</b>	1805



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**Cytogenetics:** 1 C5

**RefSeq ORF:** 720

**Synonyms:** 4931430I01Rik; AI452351; mitocalcin; PP3051

**Summary:** Acts as a calcium sensor for mitochondrial flash (mitoflash) activation, an event characterized by stochastic bursts of superoxide production (By similarity). May play a role in neuronal differentiation (PubMed:16336229).[UniProtKB/Swiss-Prot Function]