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Product datasheet for TP320639M

C11orf20 (TEX40) (NM_001039496) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 11 open reading frame 20 (C11orf20), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220639 representing NM_001039496 Red=Cloning site Green=Tags(s) MEEKPSKVSLKSSDRQGSDEESVHSDTRDLWTTTTLSQAQLNMPLSEVCEGFDEEGRNISKTRGWHSPGR GSLDEGYKASHKPEELDEHALVELELHRGSSMEINLGEKDTASQIEAEKSSSMSSLNIAKHMPHRAYWAE QQSRLPLPLMELMENEALEILTKALRSYQLGIGRDHFLTKELQRYIEGLKKRRSKRLYVN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	22.7 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:	Recombinant protein 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:	NP_001034585
Locus ID:	25858
UniProt ID:	Q9NTU4
RefSeq Size:	764

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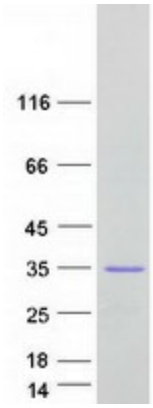
Cytogenetics: 11q13.1

RefSeq ORF: 600

Synonyms: C11orf20; TEX40

Summary: Auxiliary component of the CatSper complex, a complex involved in sperm cell hyperactivation. Sperm cell hyperactivation is needed for sperm motility which is essential late in the preparation of sperm for fertilization. Required for a distribution of the CatSper complex in linear quadrilateral nanodomains along the flagellum, maximizing fertilization inside the mammalian female reproductive tract. Together with EFCAB9, associates with the CatSper channel pore and is required for the two-row structure of each single CatSper channel.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified CATSPERZ protein (Cat# [TP320639]). The protein was produced from HEK293T cells transfected with CATSPERZ cDNA clone (Cat# [RC220639]) using MegaTran 2.0 (Cat# [TT210002]).