

## Product datasheet for PH320639

### C11orf20 (TEX40) (NM\_001039496) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	C11orf20 MS Standard C13 and N15-labeled recombinant protein (NP_001034585)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220639
Predicted MW:	22.7 kDa
Protein Sequence:	>RC220639 representing NM_001039496 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MEEKPSKVSLKSSDRQGSDEESVHSDTRDLWTTTTLSQAQLNMPLSEVCEGFDEEGRNISKTRGWHSPGR GSLDEGYKASHKPEELDEHALVELELHRGSSMEINLGEKDTASQIEAEKSSSMSSLNIAKHMPHRAYWAE QQSRLPLPLMELMENEALEILTKALRSYQLGIGRDHFLTKELQRYIEGLKRRSRKRLVYN  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001034585</a>
RefSeq Size:	764
RefSeq ORF:	600
Synonyms:	C11orf20; TEX40
Locus ID:	25858
UniProt ID:	<a href="#">Q9NTU4</a>

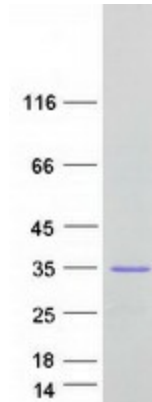


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Cytogenetics: 11q13.1

**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]).