

Chapter VI: Other Than Full and Open Competition (OFOC) SOP  
Attachment 4: Single Source Justification for SAP under \$150K

**JUSTIFICATION FOR SINGLE SOURCE AWARDS IAW FAR 13.106-1  
(OVER MICRO-PURCHASE THRESHOLD(\$3K) BUT NOT EXCEEDING THE SAT (\$150K)**

IAW FAR 13.104, COs must promote competition to the maximum extent practicable to obtain supplies and services from the source whose offer is the most advantageous to the Government, considering the administrative cost of the purchase. When competition is not practicable, IAW FAR 13.106-1(b), COs solicit from a single source for purchases not exceeding the simplified acquisition threshold. COs may solicit from one source if the CO determines that the circumstances of the contract action deem only one source reasonably available (e.g., urgency, exclusive licensing agreements, brand-name or industrial mobilization). IAW FAR 13.106-3(b)(3), COs are required to include additional statements ***explaining the absence of competition*** (see 13.106-1 for brand name purchases) if only one source is solicited and the acquisition does not exceed the simplified acquisition threshold (does not apply to an acquisition of utility services available from only one source) or supporting the award decision if other than price-related factors were considered in selecting the supplier.

**1. PURCHASE REQUEST OR REQUISITION NUMBER:**

664-18-3-8092-0278

**1A. PROJECT/TASK  
NUMBER**

**1B. ESTIMATED AMOUNT:**

\$90,610

**2. BRIEF DESCRIPTION OF SUPPLIES OR SERVICES REQUIRED AND THE INTENDED USE:**

Procurement of HUES9 cell line with the neurodegeneration PERK mutations with delivery of wild-type, heterozygous and homozygous clonal lines. After delivery of the editing tools, the cell pool generated will be tested to confirm that the appropriate edit was accomplished. Single clones will be generated through limited dilution, which will be further verified by sequencing to confirm that the resultant clones contain the desired edits. These gene-edited HUES9 cell lines (wild-type, heterozygous, and homozygous) will enable stem cell modeling of retinal degeneration and neurodegeneration diseases as supported by VA Merit Awards BX002284 and RX002340. The intended use is to identify mechanisms and treatments for brain tauopathies (e.g. Alzheimer's disease) through the generation and purchase of these customized cell lines.

**3. UNIQUE CHARACTERISTICS THAT LIMIT AVAILABILITY TO ONLY ONE SOURCE, WITH THE REASON NO OTHER SUPPLIES OR SERVICES CAN BE USED:**

The proposed sole source is in accordance with FAR 6.302-3(a)(2)(i) and (ii). In order to maintain scientific consistency it is essential to perform the studies using wild-type, heterozygous, and homozygous cells derived from the same parental cell line (HUES9).

**4. REASON THAT SUGGESTED SOURCE IS THE ONLY SOURCE, WHICH CAN PROVIDE THE SUPPLIES OR SERVICES:**

ThermoFisherLifeTechnologies is the only source to supply these PERK gene edited wild-type, heterozygous, and homozygous HUES9 cells because they have extensive gene editing technologies that enable accurate and efficient creation of customized cells editing for the PERK gene. Furthermore, ThermoFisherLifeTechnologies provides extensive genetic sequencing and service support to ensure that the gene-edited cells conform to scientific standards and expectations and do not have any errors or deficiencies that would hamper use of the deliverables for their intended use.


**5. DESCRIPTION OF MARKET RESEARCH CONDUCTED AND RESULTS OR STATEMENT WHY IT WAS NOT CONDUCTED:**

Market research is not required in accordance with FAR 6.302-3(a)(2)(ii). Three independent vendors were evaluated for their strategy to custom make HUES PERK wild-type, heterozygous, and homozygous gene-edited cells including Vendor #1. Millipore Sciences. Vendor #2. Applied Stem Cell Technologies. Vendor #3. ThermoFisherLifeSciences. Millipore's proposed quote was significantly more expensive (>3x) quotes provided by Vendor 2 or Vendor 3. Vendor 2's quote did not include important sequencing and service support to confirm the quality of the deliverables. Vendor 3 (ThermoFisherLifeTechnologies) was selected based on the quality and cost of the quote (see attachment #CA12870r1)

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**6. Contracting Officer's Certification:** *Purchase is approved in accordance with FAR13.106-1(b). I certify that the foregoing justification is accurate and complete to the best of my knowledge and belief.*

Signature: \_\_\_\_\_

  
Name: Corey R. Kline  
Title: Contracting Officer  
Facility: NCO 22

Date: 5/17/2018