

## LCN8 Protein, Human (HEK293, His)

Cat. No.:	HY-P77056
Synonyms:	Epididymal-specific lipocalin-8; LCN5
Species:	Human
Source:	HEK293
Accession:	Q6JVE9 (A26-I175)
Gene ID:	138307
Molecular Weight:	Approximately 18.7 kDa.

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The LCN8 protein is implicated in potentially playing a crucial role in male fertility, suggesting its involvement in essential processes related to reproductive function. Notably, LCN8 may act as a retinoid carrier protein within the epididymis, underscoring its potential significance in the transport and regulation of retinoids, which are essential for various cellular processes, including spermatogenesis. The specific mechanisms by which LCN8 contributes to male fertility and its precise role as a retinoid carrier in the epididymis remain areas of interest, warranting further exploration to unravel its functional significance and molecular interactions in the context of reproductive biology.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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