

## OSTM1 Protein, Mouse (HEK293, His)

<b>Cat. No.:</b>	HY-P77117
<b>Synonyms:</b>	Osteopetrosis-associated transmembrane protein 1; Chloride channel 7 beta subunit; GL
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q8BGT0 (A35-S288)
<b>Gene ID:</b>	14628
<b>Molecular Weight:</b>	Approximately 30-60 kDa due to the glycosylation

### PROPERTIES

<b>AA Sequence</b>	<pre> ALPFTSSRHP   GFADLLSEQQ   LLEVQDLTLS   LLQGGGLGPL SLLPPDLPDL   EPECRELLMD   FANSSAELTA   CMVRSARPVR LCQTCYPLFQ   QVAIKMDNIS   RNIGNTSEGP   RCGGSLLTAD RMQIVLMVSE   FFNSTWQEAN   CANCLTNNGE   DLSNNTEDFL SLFNKTLACF   EHNLQGHTYS   LLPPKNYSEV   CRNCKEAYKN LSLLYSQMOK   LNGLENKAEP   ETHLCIDVED   AMNITRKLWS RTFNCSVTCS   DTVS           </pre>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	OSTM1 Protein is essential for the maturation and proper functioning of osteoclasts and melanocytes. It forms heteromers with alpha subunits (CLCN7) to create chloride channel 7.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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