



Human Recombinant Oncostatin-M

Origin:	Recombinant	Cat. No.:	41B049
Source:	<i>E.coli</i>	Tag:	No tag
Species:	Human	Purity:	>95%

Description

Recombinant human Oncostatin M without signal peptide and propeptide (AA26-221), total 197 amino acids (AA). N-terminal His-tag removed. **Mw: 22.2 kDa (calculated). 1 extra AA left (In bold).**

Introduction to the Molecule

Oncostatin M (OSM) is a glycoprotein belonging to the interleukin-6 family of cytokines that has functions mainly in cell growth. It is considered as a pleiotropic cytokine that signals through cell surface receptors type I and type II both of which share the similarity of containing protein gp13 and takes part in many biological processes including liver development, haematopoiesis, inflammation, bone formation and destruction and possibly CNS development. Human OSM protein is used in the differentiation of human pluripotent stem cells into hepatocyte-like cells. OSM also plays roles in osteogenesis and neurogenesis and is an important regulator of the hematopoietic stem cell niche in the bone marrow.

Amino Acid Sequence

AAAI**G**SCSKEYRVLLGQLKQKQTDLMQDTSRLLD
PYIRIQGLDVPKLRHCRERPGAFPSEETLRGLG
RRGFLQTLNATLGCVLHRLADLEQRLPKAQDLE
RSGLNIEDLEKLQMARPNILGLRNNIYCMAQLLD
NSDTAEPTKAGRGASQPPTPTPASDAFQRKLE
GCRFLHGYHRFMHHSVGRVFSKWGESPNRSRR

Formulation

Lyophilized in 1 mg/mL in PBS.

Endotoxin Level

<0.2 EU/ug.

Applications

Cell culture, animal studies, ELISA and Western blotting.

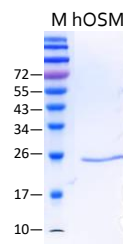
Reconstitution

Add sterile deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely.

Storage

Store lyophilized protein at -20°C . Aliquot reconstituted protein and store at -80°C . Avoid repeated freezing/thawing cycles

SDS-PAGE gel



Contact Us

- Website: www.immunodiagnostics.com.hk
- E-mail: info@immunodiagnostics.com.hk
- Tel: (+852) 2831 5526; 2831 5508
- Fax: (+852) 2816 2095

