



Recombinant Human ESAM Protein Product Manual

1. Product Basic Information

Product No.: REP06802

Protein Name: Lp4791 Protein (ESAM)

Aliases: W117m; NEDIHSS; 2310008D05Rik; LP4791 protein; HUEL (C4orf1)-interacting protein; endothelial cell adhesion molecule; endothelial cell-selective adhesion molecule

UniProt ID: Q96AP7

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96AP7/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Extracellular Domain (30-248aa)

Molecular Weight: 39.8kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (30-248aa)

QLQLHLPANRLQAVEGGEVVLPAWYTLHGEVSSSQPWEVPFVMWFFKQKEKEDQ
VLSYINGVTTSKPGVSLVYSMPSRNLSLRLEGLQEKGDSGPYSCSVNVQDKQGKSR
GHSIKTLELNVLVPPAPPSCRLQGVPVHGAVNTLSCQSPRSKPAVQYQWDRQLPS
FQTFAPALDVIRGSLSLTNLSSSMAGVYVCKAHNEVGTAQCNVTLEVSTGPGAA

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9
protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human ESAM extracellular domain protein (30-248aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. ESAM, also known as W117m or NEDIHSS or 2310008D05Rik, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.