

Recombinant Human ROBO4 Protein Product Manual

1. Product Basic Information

Product No.: REP08077

Protein Name: Roundabout, Axon Guidance Receptor, Homolog 4 (ROBO4)

Aliases: MRB; AOVD3; ECSM4; roundabout, axon guidance receptor, homolog 4

UniProt ID: Q8WZ75

UniProt Link: <https://www.uniprot.org/uniprotkb/Q8WZ75/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (490-1007aa)

Molecular Weight: 65.0 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (490-1007aa)

HRRRRARVHLGPGLYRYTSEDAILKHRMDHSDSQWLADTWRSTSGSRDLSSSSSL
SSRLGADARDPLDCRRSLLSWDSRSPGVPLLPDTSTFYGSLIAELPSSTPARPSPQ
VPAVRRLLPPQLAQLSSPCSSSDSLCSRRGLSSPRLSLAPAEAWKAKKKQELQHAN
SSPLLRGSHSLELRACELGNRGSKNLSQSPGAVPQALVAWRALGPKLLSSSNELVT
RHLPPAPLFPHETPPTQSQQTQPPVAPQAPSSILLPAAPIILSPCSPSPQASSLSG
PSPASSRLSSSSLSSLGEDQDSVLTPEEVALCLELSEGEETPRNSVSPMPRAPSP
TTYGYISVPTASEFTDMGRTGGGVGPKGGVLLCPPRPCLTPTPSEGLANGWGSA
SEDNAASARASLVSSSDGSFLADAHFARALAVAVDSFGFGLPREADCVFIDASSP
PSPRDEIFLTPNLSLPLWEWRPDWLEDMEVSHTQRLGRGMPPWPPDSQISSQRS
QLHCRMPKAGASPV DYS

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 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 ROBO4 partial protein (490-1007aa) expressed in E.coli. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ROBO4, also known as MRB or AOVD3 or ECSM4, 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.