



Recombinant Human BMPR1A Protein Product Manual

1. Product Basic Information

Product No.: REP06266

Protein Name: Bmp Type-1A Receptor (BMPR1A)

Aliases: ALK3; SKR5; ALK-CD292; ACVRLK3; BMPR-1A; 10q23del; BMP type-1A receptor; bone morphogenetic protein receptor type-1A; serine/threonine-protein kinase receptor R5; bone morphogenetic protein receptor, ...

UniProt ID: P36894

UniProt Link: <https://www.uniprot.org/uniprotkb/P36894/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Cytoplasmic Domain (177-532aa)

Molecular Weight: 56.6kDa

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

2. Amino Acid Sequence (177-532aa)

KHYCKSISSRRRYNRDLEQDEAFIPVGESLKDLIDQSQSSGSGSGLPLLQRTIAKQI
QMVRQVGKGGRYGEVWMGKWRGEKVAVKVFFTTTEEASWFRETEIYQTVLMRHENI
LGFAADIKGTGSWTQLYLITDYHENGSLYDFLKCATLDTRALLKLAYSACGLCHLH
TEIYGTQGKPAIAHRDLKSKNLIKNGSCCIADLGLAVKFNSDTNEVDVPLNTRVGT
KRYMAPEVLDES LNKNHFQPYIMADIYSFGLI IWEMARRCITGGIVEEYQLPYYNMV
PSDPSYEDMREVVCKRLRPVSNRWNSDECLRAVLKLMSECVAHNPASRLTALRI
KKT LAKMVESQDVKI

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 BMPR1A cytoplasmic domain protein (177-532aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. BMPR1A, also known as ALK3 or SKR5 or ALK-CD292, 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.