

RANK/TNFRSF11A active protein

Recombinant mouse RANK/TNFRSF11A protein

CATALOG # AAA49004	HOST Baculovirus	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

RANK/TNFRSF11A; Recombinant mouse RANK/TNFRSF11A protein; TNF receptor superfamily member 11a; Tumor necrosis factor receptor superfamily member 11A; Osteoclast differentiation factor receptor; Receptor activator of NF-KB; Familial expansile osteolysis; TRANCE receptor; RANK; CD265; FEO; ODFR; TRANCE-R; TNR11; RANK/TNFRSF11A active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	1mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	31-214aa
Sequence	Ala VTPPCTQE RHYEHLGRCC SRCEPGKYLS SKCTPTSDSV CLPCGPDEYL DTWNEEDKCL LHKVCDAGKA LVAVDPGNHT APRRCAC TAG YHWNSDCECC RRNTECAPGF GAQHPLQLNK DTVCTPCLLG FFSDVFSST KCKPWTNCTL LGKLEAHQGT TESDVVCSST MTLRRPPKEA QAYLPS
Applicable Applications for RANK/TNFRSF11A active protein	Bioactivity, SDS-PAGE
Species	Mouse
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	hlgG-His-Tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for RANK/TNFRSF11A active protein	RANK, as known as Tumor necrosis factor receptor superfamily member 11A (TNFRSF11A) is a member of the tumor necrosis factor receptor (TNFR) molecular sub-family. It is the receptor for RANK-Ligand (RANKL) and part of the RANK/RANKL/OPG signaling pathway that regulates osteoclast differentiation and activation. It is associated with bone remodeling and repair, activation of NF-kappa B and c-jun N-terminal kinase, enhancement of T cell growth and dendritic cell function, immune cell function, lymphnode development, thermal regulation, and mammary gland development. It is able to block TRANCE induced biological activity. Recombinant mouse RANK, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for RANK/TNFRSF11A active protein	Immunology , Hormones & Cytokines ; Proteins
References	Anderson, D.M. et al. (1997) Nature 390, 175-179. Nakagawa, N. et al. (1998) Biochem. Biophys. Res. Commun. 245:395-400. Bharat B. Aggarwal. (2003) Nature 3, 745-756.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110350009
NCBI GeneID	21934
NCBI Accession #	NP_033425.3
NCBI GenBank Nucleotide #	NM_009399.3
UniProt Accession #	O35305; Q8VCT7
Molecular Weight	66,621 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 11A
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 11a, NFkB activator
NCBI Official Symbol	Tnfrsf11a
NCBI Official Synonym Symbols	OFE; ODFR; Rank; Ly109; mRANK; TRANCE-R
NCBI Protein Information	tumor necrosis factor receptor superfamily member 11A
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 11A
UniProt Gene Name	Tnfrsf11a
UniProt Synonym Gene Names	Rank; ODFR
UniProt Entry Name	TNR11_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/rank-tnfrsf11a/49004>