

Recombinant human RANK/TNFRSF11A protein

Catalog Number: ATGP3304

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

28-212aa

UniProt No.

Q9Y6Q6

NCBI Accession No.

NP_003830

Alternative Names

TNF receptor superfamily member 11a, Osteoclast differentiation factor receptor, Receptor activator of NF-KB, Familial expansile osteolysis, TRANCE receptor, RANK, CD265, FEO, ODFR, TRANCE-R

PRODUCT SPECIFICATION

Molecular Weight

47.6 kDa (427aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

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.

BACKGROUND

Description

TNFRSF11A, also known as tumor necrosis factor receptor superfamily member 11A, is a member of the tumor necrosis factor receptor family. TNFRSF11A is widely expressed with highest levels in skeletal muscle, thymus, liver, colon, small intestine and adrenal gland and dendritic cells. In activated human peripheral blood T

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lymphocytes, TNFRSF11A expression is induced by IL4 and TGF- β . Recombinant human TNFRSF11A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

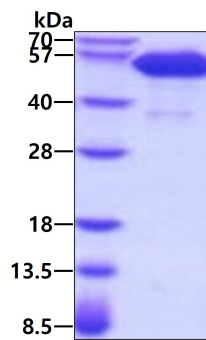
<ADP>LQIAPPC TSEKHYEHLG RCCNKCEPGK YMSSKCTTTS DSVCLPCGPD EYLDWNEED KLLHKVCDT
GKALVAVVAG NSTTPRRCAC TAGYHWSQDC ECCRRNTECA PGLGAQHPLQ LNKDTVCKPC LAGYFSDAFS STDKCRPWTN
CTFLGKRVEH HGTEKSDAVC SSSLPARKPP NEPHVYLP<LE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT
PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI
SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGDGSFFL YSKLTVDKSR
WQQGNVFSCS VMHEALHNNHY TQKSLSLSPGKHHHHHHH>

General References

Anderson DM., et al. (1997) Nature 390:175-179.
Guerrini MM., et al. (2008) Am. J. Hum. Genet. 83:64-76.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain