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-b. 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

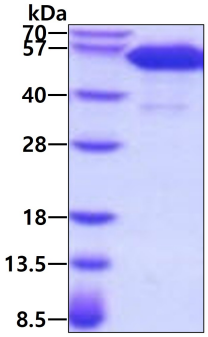
<ADP>LQIAPPC TSEKHYEHLG RCCNKCEPGK YMSSKCTTTS DSVCLPCGPD EYLDSWNEED KCLLHKVCDT GKALVAVVAG NSTTPRRCAC TAGYHWSQDC ECCRRNTECA PGLGAQHPLQ LNKDTVCKPC LAGYFSDAFS STDKCRPWTN CTFLGKRVEH HGTEKSDAVC SSSLPARKPP NEPHVYLP<LE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPGKHHHHHH>

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



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