

	<h1>TRANCE/RANK L/TNFSF11/CD254</h1>	E 2 1 K 6 3
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Altername:	CD254; ODF; OPGL; RANK L; TNFSF11; CD254; Osteoclast differentiation factor; Receptor activator of nuclear factor kappa-B ligand; tumor necrosis factor ligand superfamily member 11
Storage/Stability:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Background:	<p>CD254, also known as RANKL, TNFSF11, TRANCE, OPGL and ODF, is a type II membrane protein of the tumor necrosis factor (TNF) superfamily, and affects the immune system and control bone regeneration and remodeling. RANKL is the ligand of nuclear factor (NF)-κB (RANK). When RANKL binds to RANK, it will undergo trimerization and then bind to an adaptor molecule TNF receptor-associated factor 6 (TRAF6). This results in the activation of several downstream signaling cascades, including the NFκB, mitogen-activated protein kinases (MAPK), activating protein 1 (AP-1), and nuclear factor of activated T cells (NFATc1), resulting in the formation of multinucleated bone-resorbing osteoclasts. RANKL is widely expressed in skeletal muscle, thymus, liver, colon, small intestine, adrenal gland, osteoblast, mammary gland epithelial cells, prostate and pancreas.</p>

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Species:	Human
Reconstitution:	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100 µg/ml.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Endotoxin:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Purity:	Greater than 95% as determined by reducing SDS-PAGE.
Description:	Recombinant Human Receptor Activator of NF-kappa-B ligand is produced by our E.coli expression system and the target gene encoding Ile140-Asp317 is expressed with a 6His tag at the N-terminus.
Product State:	Lyophilized
Ship Description:	The product is shipped at ambient temperature.
Formulation:	Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.
Expression system:	E.coli