

Active Human TNFSF11/RANKL/CD254 protein (Recombinant) (N-His) (STJP002596)

GENERAL INFORMATION

Product Type	Proteins
Host / Source	HEK293 cells

PRODUCT PROPERTIES

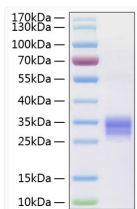
Formulation	Lyophilised from a 0.22 Mu m filtered solution of PBS, pH 7.4.
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

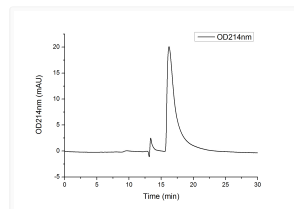
Gene ID	8600
Gene Symbol	TNFSF11
UniProt ID	TNF11_HUMAN
Immunogen Region	Gly136-Asp317
Immunogen Sequence	GSQHRAEKAMVDGSWLDLA KRSKLEAQPFAHLTINATDI PSGSHKVSLSWYHDRGWAK ISNMTFSNGLIVNQDGFYY LYANICFRHHETSGDLATEY LQLMVVYTKTSIKIPSSHTL MKGGSTKYWSGNSEHFYYSI NVGGFFKLRSGEEISIEVSN PSLDLPDQDATYFGAFKVRD ID

ADDITIONAL INFORMATION

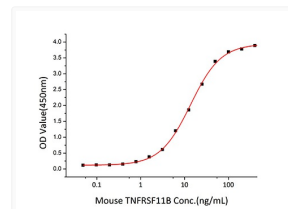
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



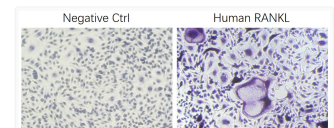
Recombinant Human TRANCE/RANK L/TNFSF11 was determined by SDS-PAGE with Coomassie Blue, showing a band at 35 kDa.



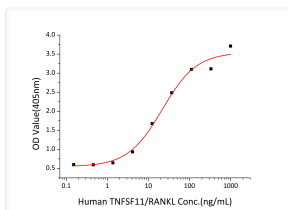
The purity of Human TRANCE/RANK L/TNFSF11 Protein (Cat. STJP002596) was greater than 90% as determined by SEC-HPLC.



Immobilized Human TNFSF11 Protein at 2 Mu g/mL (100 Mu L/well) can bind Mouse TNFRSF11B with a linear range of 0. 049-13. 74 ng/mL.



Measured by its ability to induce osteoclast differentiation of mouse bone marrow cells.



Measured by its ability to induce osteoclast differentiation of RAW 264. 7 mouse monocyte/macrophage cells. The ED₅₀ for this effect is 10. 85-43. 42 ng/mL, corresponding to a specific activity of 2. 30x10⁴ units/mg. 22x10⁴ units/mg.