

SENSORY RECEPTORS IN SKIN

Anatomical Classification & Functional Reference

RECEPTOR NAME	LOCATION	PRIMARY STIMULUS
Meissner's Corpuscles	Dermal Papillae (Hairless Skin)	Light touch, low-frequency vibration
Pacinian Corpuscles	Deep Dermis / Hypodermis	Deep pressure, high-frequency vibration
Merkel Discs	Epidermal-Dermal Junction	Sustained pressure, texture, shapes
Ruffini Endings	Deep Dermis	Skin stretch, joint deformation
Free Nerve Endings	Epidermis & Dermis	Pain (Nociception), Temperature
Root Hair Plexus	Base of Hair Follicles	Movement of hair shaft
Krause End Bulbs	Mucous Membranes	Cold temperatures, touch

Notes: