

Recombinant Human Lipocalin-2 (His)

Information



Gene ID	3934
Accession #	P80188
Alternate Names	NGAL
Source	HEK293
Protein sequence	QDSTSDLIPAPPLSKVPLQQNFQDNQFQGKWYVVGLAGNAILREDKDPQKMYATIYELKEDKSYNVTSVLF RKKKCDYWIRTFVPGCQPGEFTLGNIKSYPGLTSYLVRVVSTNYNQHAMVFFKKVSQNREYFKITLYGRTK ELTSELKENFIRFSKSLGLPENHIVFPVPIDQCIDG
Tag	C-His
M.Wt	The protein has a calculated MW of 20.5 KDa.
Appearance	Solution protein.
Stability & Storage	Avoid repeated freeze-thaw cycles. It is recommended that the protein be aliquoted for optimal storage2 years from date of receipt, -20 to -70 °C as supplied.
Concentration	1 mg/mL
Formulation	Supplied as a 0.2 µm filtered solution in PBS, pH7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. This solution can be diluted into other aqueous buffers.
Biological Activity	Fully biologically active as determined by its ability to bind Iron(III) dihydroxybenzoic acid [Fe(DHBA) ₃] within 30 min at room temperature. The binding of Fe(DHBA) ₃ results in the quenching of Trp fluorescence in Lipocalin-2. Recombinant human Lipocalin-2 (2 μ M) can bind more than 1.5 μ M of Fe(DHBA) ₃ under these conditions.
Shipping Condition	Shipping with dry ice.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Quality Control

Purity	> 95 % by SDS-PAGE.
Endotoxin	Less than 1.0 EU/µg as determined by LAL method.

Description

Lipocalin-2 is an acute-phase protein involved in iron metabolism and inflammatory responses. Recombinant Human Lipocalin-2 is used for the research of inflammatory diseases and metabolic syndrome.

















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