Recombinant Human NDRG1 Protein (His Tag)

Catalog Number: PKSH032818

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

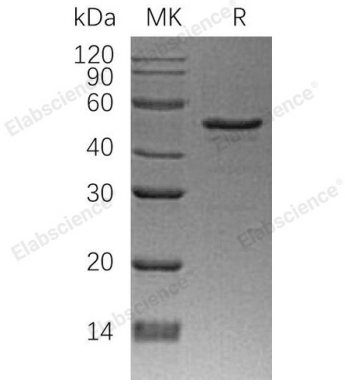
Description

Species	Human
Source	E.coli-derived Human NDRG1 protein Met 1-Cys394, with an N-terminal His
Calculated MW	45.0 kDa
Observed MW	52 kDa
Accession	Q92597
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Protein NDRG1 is a member of the N-Myc Downregulated Gene family, which is part of the α/β Hydrolase superfamily. Protein NDRG1 is a cytoplasmic protein that is involved in stress responses, hormone responses, cell growth and differentiation. Protein NDRG1 is necessary for p53-mediated caspase activation and apoptosis. Protein NDRG1 mutuations are reported to be the cause for hereditary motor and sensory neuropathy-Lom. Decreased NDRG1 expression in glioma is linked to tumor progression; overexpression of NDRG1 is connected to malignant status of esophageal cancer.

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