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## Recombinant human DDR2 protein, N-His

Catalog Number: bs-41381P

Concentration: >1 mg/ml

AA Seq: 24-399/855

Predicted MW: 44.8

Detected MW: 48 kDa

Tags: N-His

Activity: No tested

Endotoxin: Not analyzed

Purity: >90% by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: PBS pH7.5.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation, and metabolism. In several cases the biochemical mechanism by which RTKs transduce signals across the membrane has been shown to be ligand induced receptor oligomerization and subsequent intracellular phosphorylation. This autophosphorylation leads to phosphorylation of cytosolic targets as well as association with other molecules, which are involved in pleiotropic effects of signal transduction. RTKs have a tripartite structure with extracellular, transmembrane, and cytoplasmic regions. This gene encodes a member of a novel subclass of RTKs and contains a distinct extracellular region encompassing a factor VIII-like domain. Alternative splicing in the 5' UTR results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008].

### VALIDATION IMAGES

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The purity of the protein is greater than 40% as determined by reducing SDS-PAGE.